ORDER NO. MD0205131C2

Service Manual

AV Control Receiver

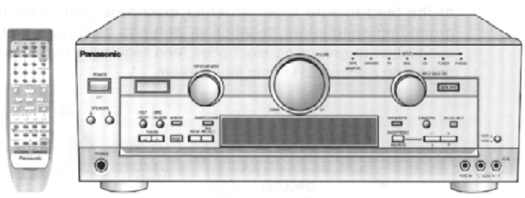
*DOLBY DIGITAL

**DIGITAL dts SURROUND

SA-HE100E / SA-HE100EB / SA-HE100EG

Colour

(K) ... Black Type



SPECIFICATIONS

■ FM Tuner Section

Frequency range	87.50-108.00 MHz
Sensitivity	
S/N 30 dB	1.5 μV/ 75 Ω
S/N 26 dB	1.3 μV/ 75 Ω
S/N 20 dB	1.2 μV/ 75 Ω
IHF usable sensitivity (IHP’58)	1.5 μV/ 75 Ω
IHF 46 dB stereo quieting sensitivity	22 μV/ 75 Ω
Total harmonic distortion	
MONO	0.2%
STEREO	0.3%
S/N	
MONO	60 dB (73 dB, IHF)
STEREO	58 dB, (67 dB, IHF)
Frequency response	20 Hz -15 kHz, +1 dB, -2 dB
Alternate channel selectivity	
±400 kHz	65 dB
Capture ratio	1.5 dB
Image rejection at 98 MHz	40 dB
IF rejection at 98 MHz	70 dB
Spurious response rejection at 98 MHz	70 dB

AM suppression	50 dB
Stereo separation	
1 kHz	40 dB
Carrier leak	
19 kHz	—30 dB (-35 dB, IHF)
38 kHz	—50 dB (-55 dB, IHF)
Channel balance (250 Hz - 6.3 kHz)	±1.5 dB
Limiting point	1.2 μ V
Bandwidth	
IF amplifier	180 kHz
FM demodulator	1000 kHz
Antenna terminal	75 Ω (unbalanced)

■ AM Tuner Section

Frequency range	522-1611 kHz (9 kHz steps) 530-1620 kHz (10 kHz steps)
Sensitivity	20 μ V, 330 μ V/m
Selectivity (at 999 kHz)	55 dB
IF rejection (at 999 kHz)	50 dB

■ Video Section

Output voltage at 1 V input (unbalanced)	1±0.1 Vp-p
Maximum input voltage	1.5 Vp-p
Input/output impedance	75 Ω (unbalanced)

■ Amplifier Section

Power output	
For EB only	240V
DIN 1 kHz (T.H.D. 1%)	2 x 100 W (6 Ω)
40 Hz - 20 kHz continuous power output both channels driven	2 x 80 W (6 Ω)
Total harmonic distortion	
Rated power at 40 Hz-20 kHz	0.9% (6 Ω)
Half power at 1 kHz	0.07% (6 Ω)
Power output at 1 kHz each channel drive	
DIN 1 kHz (T.H.D. 1%)	
Front (L, R)	100 W (6 Ω)
Center	100 W (6 Ω)
Surround (L, R, Back)	100 W (6 Ω)
Power bandwidth both channels driven, -3 dB	10Hz - 70 kHz (6 Ω)
Damping factor	30 (6 Ω)
Load impedance	
Front (L, R)	(A or B) 4-16 Ω (A and B) 8-16 Ω
Center	6-16 Ω
Surround (L, R, Back)	6-16 Ω
Frequency response	
PHONO	RIAA standard curve (30 Hz - 15 kHz) ±0.8 dB
CD, TAPE/MD, DVD, TV, VCR1, VCR2	10 Hz-40 kHz, ±3 dB
Input sensitivity and impedance	

PHONO	**3 mV /47 kΩ**
CD, TAPE/MD, DVD, TV, VCR1, VCR2	**200 mV /22 kΩ**
S/N at rated power (6 Ω)	
PHONO	**70dB (IHF, A:80 dB)**
CD, TAPE/MD, DVD, TV, VCR1, VCR2	**75dB (IHF, A:85 dB)**
DVD6CH	**100dB (IHF A, Rated power, S=2V)**
Output voltage	
TAPE/MD REC (OUT), VCR1, VCR2	**200 mV**
Tone controls	
BASS	**50 Hz, +10 to -10 dB**
TREBLE	**20 kHz, +10 to -10 dB**
Channel balance (250 Hz - 6.3 kHz)	**±1 dB**
Channel separation	**55 dB**
Headphones output level and impedance	**430 mV/ 330 Ω**
Subwoofer frequency response (-6 dB)	**7-200 Hz**

■ General

Power supply	
For E and EG only	**AC 230 V, 50 Hz**
For EB only	**AC 230-240 V, 50 Hz**
Power consumption	**250 W**
Dimensions (W x H x D)	**430 x 158 x 390 mm**
Mass	**10.6 kg**
Power consumption in standby mode :	**2 W**

Notes:

1. **Specifications are subject to change without notice. / Mass and dimensions are approximate.**
2. **Total harmonic distortion is measured by the digital spectrum analyzer.**

*** Manufactured under license from Dolby Laboratories. “Dolby”, “Pro Logic” and the double-D symbol are trademarks of Dolby Laboratories.**

**** Manufactured under license from Digital Theater System. “DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater System.**

Panasonic

1. Before Repair and Adjustment

Disconnect AC power, discharge Power Supply Capacitors C703 - C706, C901, C904 and C1701 through a 10 Ω, 5 W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screw driver blade, for instance), as this may destroy solid state devices.
After repairs are completed, restore power gradually using a variac, to avoid over current.
Current consumption at AC 230V, 50Hz in NO SIGNAL mode should be 100~800 mA.

2. Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.

- Stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.
If this occurs, follow the procedure outlines below:

1. Turn off the power.

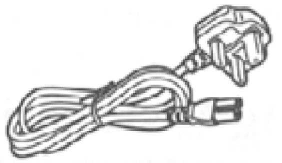
2. Determine the cause of the problem and correct it.

3. Turn on the power once again after one minute.

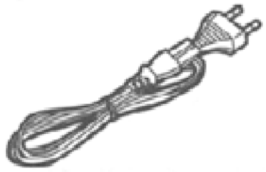
Note:
When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

3. Accessories

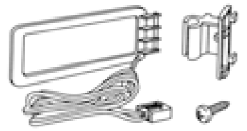
AC Main Lead (For EB only)



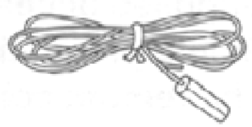
AC Main Lead (For E and EG only)



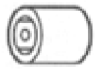
AM Loop Antenna Set



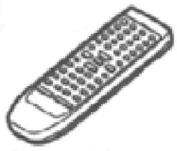
FM Indoor Antenna



Antenna plug adapter (For EB only)



Remote Control



4. Caution for AC Main Lead

(For “EB” area code model only.)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark or the BSI mark on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OFF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT
The wires in this mains lead are coloured in accordance with the following code:

Blue:	Neutral
Brown:	Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use
Remove the connector cover.

How to replace the fuse
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

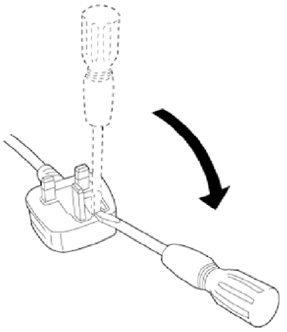
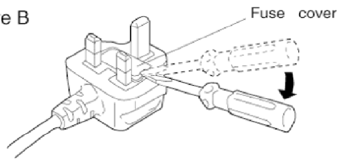


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

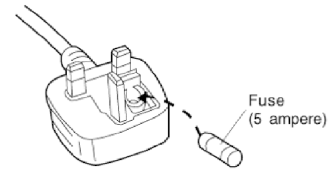
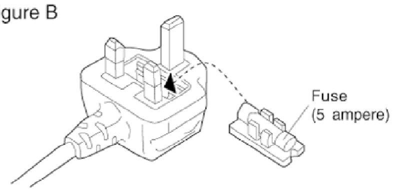


Figure B



5. Front Panel Controls

Band select/FM mode select button [-BAND, –FM MODE]
For switching between AM and FM.
If reception is poor in FM, press and hold until "MONO" appears to switch to monaural mode.

RDS button [RDS]
Press to use the RDS functions.

Standby/on switch [⏻/I]
Press to switch the unit from on to standby mode or vice versa.
In standby mode, the unit is still consuming a small amount of power.

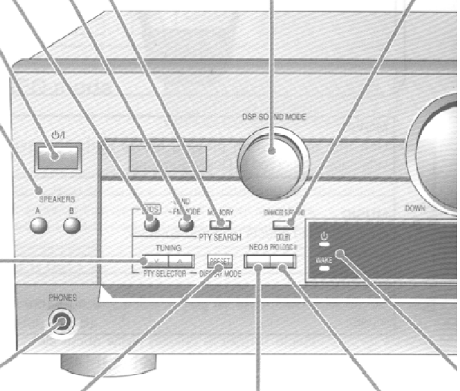
Speaker select and on/off button [SPEAKERS, A, B]
Select speakers A to enjoy SURROUND, SFC, and DVD 6CH input.
Select B if you have connected a second set of speakers.

> **LOW IMP (For front speakers with an impedance under 6 Ω)**
>
> Press and hold SPEAKERS A ○ or B ○ until "LOW IMP" lights up on the display.
>
> Note that when "LOW IMP" is on, SPEAKERS A and B cannot be used at the same time.

Tuning/PTY select buttons [TUNING, PTY SELECTOR, ∨, ∧]
For tuning the radio, selecting preset stations and changing the PTY display.
Press and hold until the frequency starts scrolling to start automatic tuning. Tuning stops when a station is found.

Headphone jack [PHONES]
Plug type: 6.3 mm stereo
Avoid listening for prolonged periods of time to prevent hearing damage.
Turn the speakers off when using the headphones.

Preset channel/display button [PRESET, DISPLAY MODE]
Press to allow preset station selection with [TUNING, ∨, ∧] and change the RDS display.



⏻/I
DSP SOUND MODE
SPEAKERS
A
B
RDS
–FM MODE
MEMORY
PTY SEARCH
TUNING
PTY SELECTOR
PRESET
DISPLAY MODE
NEO:6
PHONES
WAKE
DOWN

Memory/PTY search button [MEMORY, PTY SEARCH]
For presetting radio stations and starting a PTY search.

DSP sound mode selector [DSP SOUND MODE]
For selecting "STEREO", "SURROUND" or "SFC".

NEO:6 mode select button [NEO:6]
For selecting "CINEMA" or "MUSIC".

The display

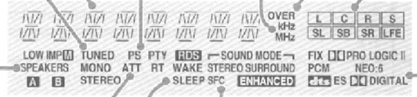
General display
Shows the input mode, radio frequency, and other general information.

Radio indicators [TUNED, MONO, STEREO], [M]
TUNED: A station is tuned.
STEREO: A stereo FM broadcast is tuned.
MONO: You have switched to monaural mode with [-BAND, –FM MODE] to improve reception.
M: Lights during presetting.

Speaker indicators [LOW IMP], [SPEAKERS, A, B]

LOW IMP:	You have switched to LOW IMP because you have connected speakers with an impedance under 6 Ω.
SPEAKERS A:	Sound is output from speakers connected to the front A, surround, and center terminals.
SPEAKERS B:	Sound is output only from speakers connected to the front B terminals.
SPEAKERS A B:	Sound is output from speakers connected to the front A and B terminals.

A/D attenuator indicator [ATT]
Lights when the A/D attenuator is working.



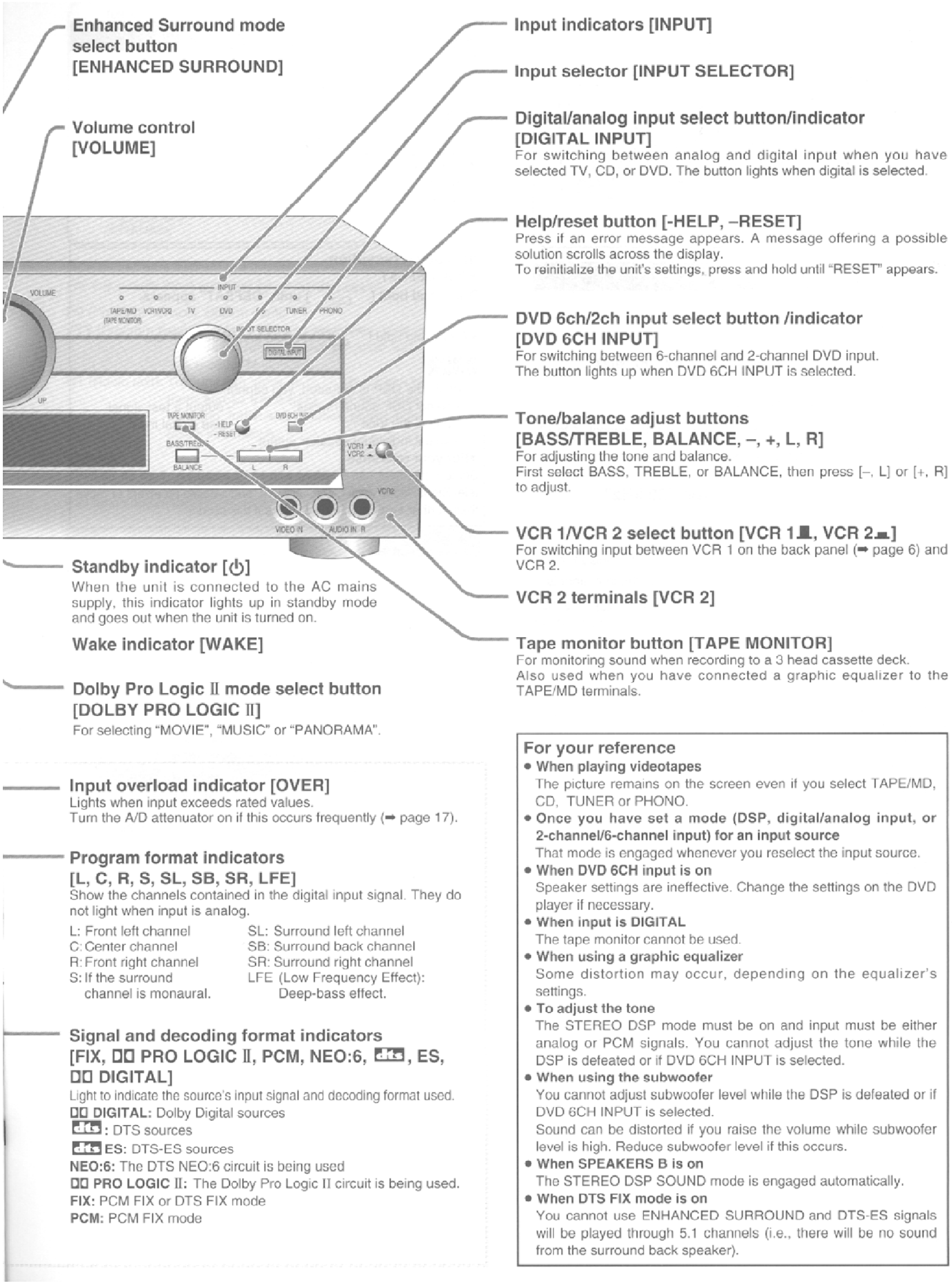
OVER
kHz
MHz
L
C
R
S
SL
SB
SR
LFE
LOW IMP M
SPEAKERS
A
B
TUNED
MONO
STEREO
PS
ATT
PTY
RT
RDS
WAKE
SLEEP
SOUND MODE
STEREO
SURROUND
SFC
ENHANCED
FIX
PRO LOGIC II
PCM
NEO:6
dts ES
DIGITAL

Frequency unit indicators [kHz, MHz]
kHz: AM, or PCM sampling frequency
MHz: FM

RDS indicators [RDS, PS, RT, PTY]
Show the current RDS signal type.

DSP sound mode indicators [STEREO, SURROUND, SFC, ENHANCED]
Show the current DSP sound mode.

Sleep/Wake indicator [SLEEP], [WAKE]


VOLUME
UP
INPUT
TAPE/MD (TAPE MONITOR)
VCR1/VCR2
TV
DVD
CD
TUNER
PHONO
INPUT SELECTOR
DIGITAL INPUT
TAPE MONITOR
-HELP
-RESET
DVD 6CH INPUT
BASS/TREBLE
BALANCE
L
R
VCR1
VCR2
VCR2
VIDEO IN
AUDIO IN R

Enhanced Surround mode select button [ENHANCED SURROUND]

Volume control [VOLUME]

Standby indicator [⏻]
When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.

Wake indicator [WAKE]

Dolby Pro Logic II mode select button [DOLBY PRO LOGIC II]
For selecting "MOVIE", "MUSIC" or "PANORAMA".

Input overload indicator [OVER]
Lights when input exceeds rated values.
Turn the A/D attenuator on if this occurs frequently (➡ page 17).

Program format indicators [L, C, R, S, SL, SB, SR, LFE]
Show the channels contained in the digital input signal. They do not light when input is analog.

L: Front left channel	SL: Surround left channel
C: Center channel	SB: Surround back channel
R: Front right channel	SR: Surround right channel
S: If the surround channel is monaural.	LFE (Low Frequency Effect): Deep-bass effect.

Signal and decoding format indicators [FIX, DD PRO LOGIC II, PCM, NEO:6, dts, ES, DD DIGITAL]
Light to indicate the source's input signal and decoding format used.
DD DIGITAL: Dolby Digital sources
dts: DTS sources
dts ES: DTS-ES sources
NEO:6: The DTS NEO:6 circuit is being used
DD PRO LOGIC II: The Dolby Pro Logic II circuit is being used.
FIX: PCM FIX or DTS FIX mode
PCM: PCM FIX mode

Input indicators [INPUT]

Input selector [INPUT SELECTOR]

Digital/analog input select button/indicator [DIGITAL INPUT]
For switching between analog and digital input when you have selected TV, CD, or DVD. The button lights when digital is selected.

Help/reset button [-HELP, –RESET]
Press if an error message appears. A message offering a possible solution scrolls across the display.
To reinitialize the unit's settings, press and hold until "RESET" appears.

DVD 6ch/2ch input select button /indicator [DVD 6CH INPUT]
For switching between 6-channel and 2-channel DVD input.
The button lights up when DVD 6CH INPUT is selected.

Tone/balance adjust buttons [BASS/TREBLE, BALANCE, –, +, L, R]
For adjusting the tone and balance.
First select BASS, TREBLE, or BALANCE, then press [–, L] or [+, R] to adjust.

VCR 1/VCR 2 select button [VCR 1▮, VCR 2▬]
For switching input between VCR 1 on the back panel (➡ page 6) and VCR 2.

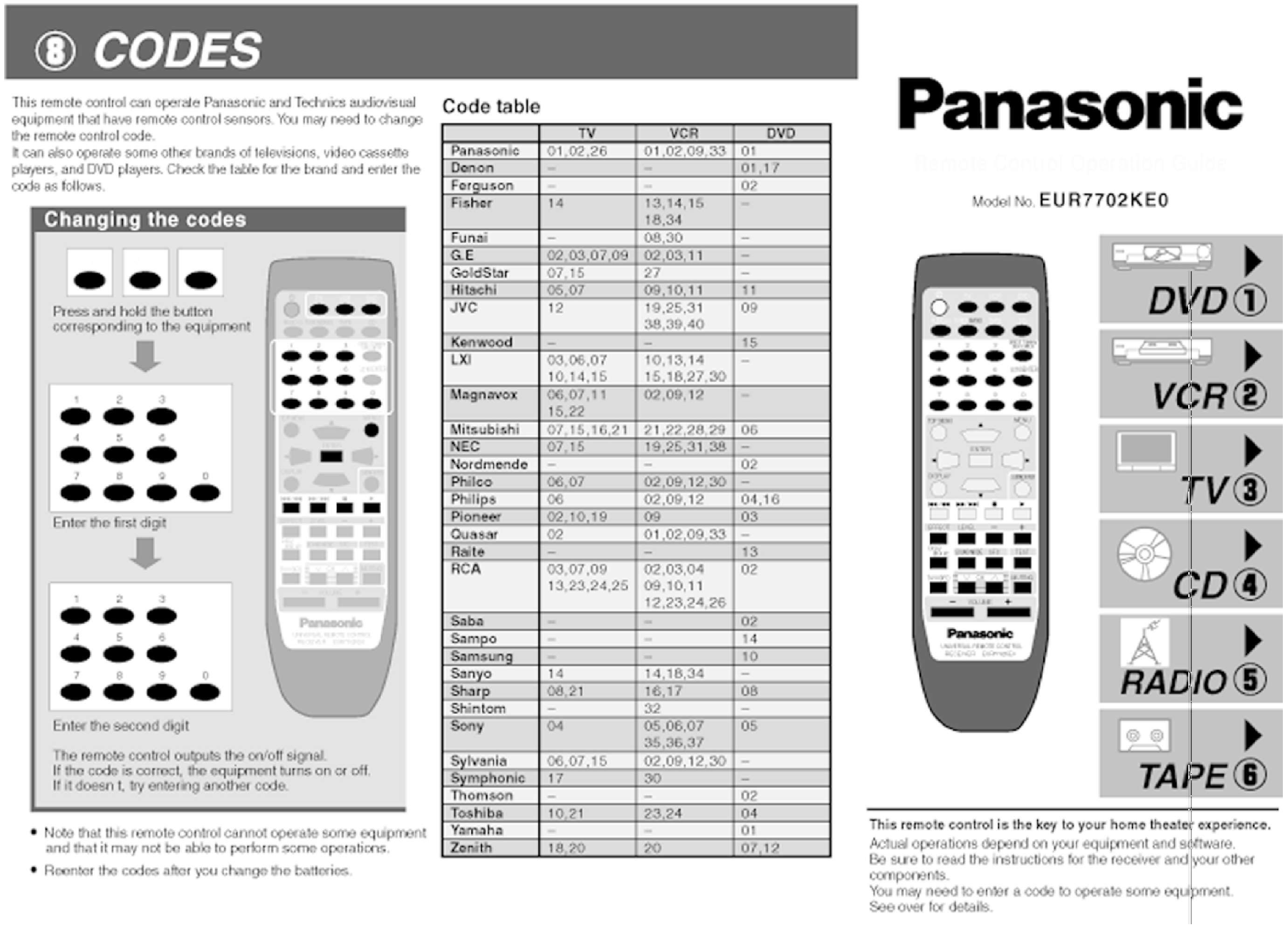
VCR 2 terminals [VCR 2]

Tape monitor button [TAPE MONITOR]
For monitoring sound when recording to a 3 head cassette deck.
Also used when you have connected a graphic equalizer to the TAPE/MD terminals.

For your reference

- **When playing videotapes**
  The picture remains on the screen even if you select TAPE/MD, CD, TUNER or PHONO.
- **Once you have set a mode (DSP, digital/analog input, or 2-channel/6-channel input) for an input source**
  That mode is engaged whenever you reselect the input source.
- **When DVD 6CH input is on**
  Speaker settings are ineffective. Change the settings on the DVD player if necessary.
- **When input is DIGITAL**
  The tape monitor cannot be used.
- **When using a graphic equalizer**
  Some distortion may occur, depending on the equalizer's settings.
- **To adjust the tone**
  The STEREO DSP mode must be on and input must be either analog or PCM signals. You cannot adjust the tone while the DSP is defeated or if DVD 6CH INPUT is selected.
- **When using the subwoofer**
  You cannot adjust subwoofer level while the DSP is defeated or if DVD 6CH INPUT is selected.
  Sound can be distorted if you raise the volume while subwoofer level is high. Reduce subwoofer level if this occurs.
- **When SPEAKERS B is on**
  The STEREO DSP SOUND mode is engaged automatically.
- **When DTS FIX mode is on**
  You cannot use ENHANCED SURROUND and DTS-ES signals will be played through 5.1 channels (i.e., there will be no sound from the surround back speaker).

6. Remote Control



⑧ CODES

This remote control can operate Panasonic and Technics audiovisual equipment that have remote control sensors. You may need to change the remote control code.
It can also operate some other brands of televisions, video cassette players, and DVD players. Check the table for the brand and enter the code as follows.

Changing the codes

Press and hold the button corresponding to the equipment

Enter the first digit

Enter the second digit

The remote control outputs the on/off signal.
If the code is correct, the equipment turns on or off.
If it doesn t, try entering another code.

- Note that this remote control cannot operate some equipment and that it may not be able to perform some operations.
- Reenter the codes after you change the batteries.

Code table

	TV	VCR	DVD
Panasonic	01,02,26	01,02,09,33	01
Denon	–	–	01,17
Ferguson	–	–	02
Fisher	14	13,14,15 18,34	–
Funai	–	08,30	–
G.E	02,03,07,09	02,03,11	–
GoldStar	07,15	27	–
Hitachi	05,07	09,10,11	11
JVC	12	19,25,31 38,39,40	09
Kenwood	–	–	15
LXI	03,06,07 10,14,15	10,13,14 15,18,27,30	–
Magnavox	06,07,11 15,22	02,09,12	–
Mitsubishi	07,15,16,21	21,22,28,29	06
NEC	07,15	19,25,31,38	–
Nordmende	–	–	02
Philco	06,07	02,09,12,30	–
Philips	06	02,09,12	04,16
Pioneer	02,10,19	09	03
Quasar	02	01,02,09,33	–
Raite	–	–	13
RCA	03,07,09 13,23,24,25	02,03,04 09,10,11 12,23,24,26	02
Saba	–	–	02
Sampo	–	–	14
Samsung	–	–	10
Sanyo	14	14,18,34	–
Sharp	08,21	16,17	08
Shintom	–	32	–
Sony	04	05,06,07 35,36,37	05
Sylvania	06,07,15	02,09,12,30	–
Symphonic	17	30	–
Thomson	–	–	02
Toshiba	10,21	23,24	04
Yamaha	–	–	01
Zenith	18,20	20	07,12

Panasonic

Remote Control Operation Guide

Model No. EUR7702KE0

DVD ①

VCR ②

TV ③

CD ④

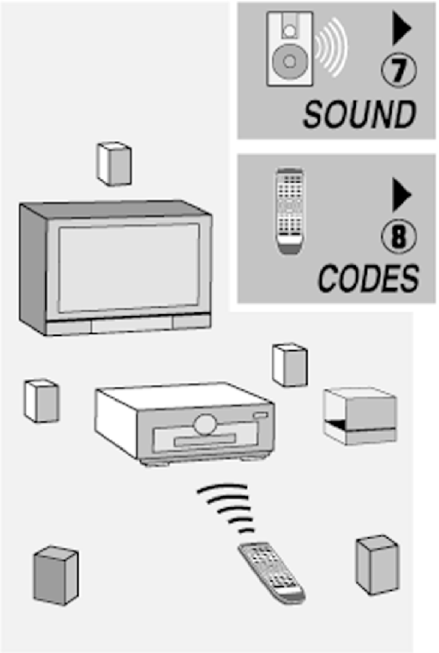
RADIO ⑤

TAPE ⑥

This remote control is the key to your home theater experience.

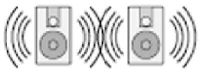
Actual operations depend on your equipment and software.
Be sure to read the instructions for the receiver and your other components.
You may need to enter a code to operate some equipment.
See over for details.

Remote Control Operation Guide


⑦ SOUND
⑧ CODES

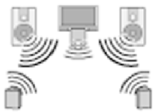
⑦ SOUND

STEREO MODE



SOUND MODE Select STEREO

SURROUND MODE



SOUND MODE Select SURROUND

TEST Start a test signal → **LEVEL** → **−** **+** Select the speaker channel and adjust its output level → **TEST** Stop the test signal

When you select Dolby Pro Logic II MUSIC or PANORAMA → **EFFECT** → **−** **+** Change the sound effect

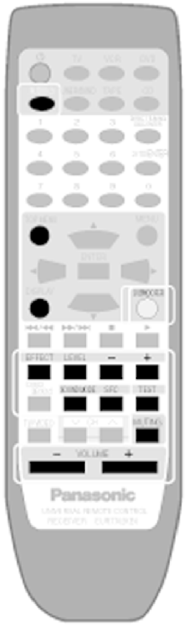
SFC MODE

SIMSURR
LIVE
PARTY
THEATER
HALL
CLUB

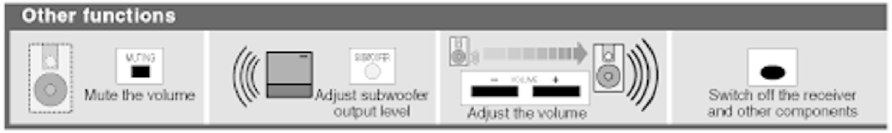
SFC Select HALL, CLUB, LIVE, THEATER, SIM SURR or PARTY

LEVEL → **−** **+** Select the speaker channel and adjust its output level

EFFECT → **−** **+** Change the delay time


Panasonic
VOLUME

Other functions


MUTING
SUBWOOFER
VOLUME

Mute the volume

Adjust subwoofer output level

Adjust the volume

Switch off the receiver and other components

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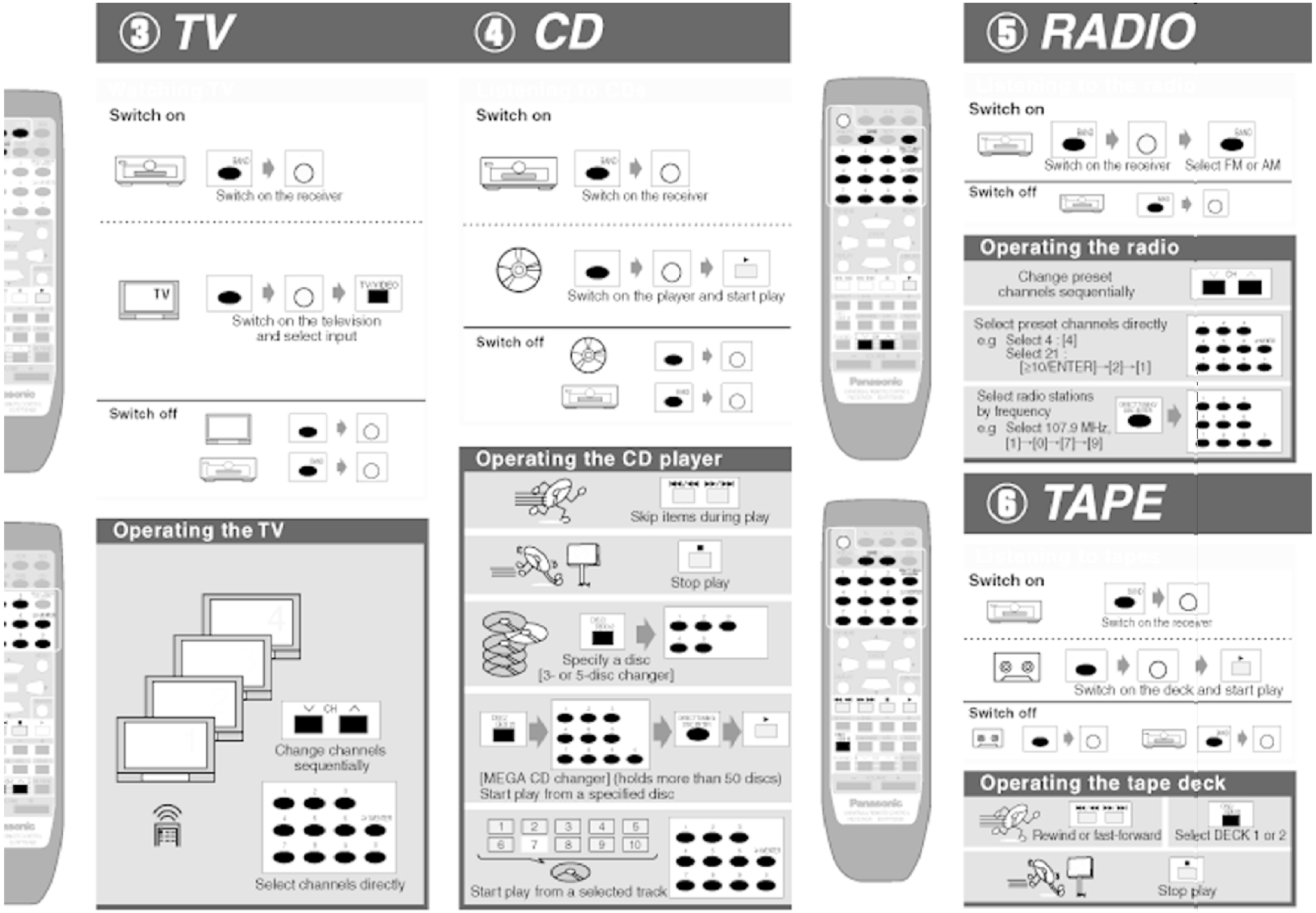


③ TV

Watching TV

Switch on

Switch on the receiver

Switch on the television and select input

Switch off

Operating the TV

Change channels sequentially

Select channels directly

④ CD

Listening to CDs

Switch on

Switch on the receiver

Switch on the player and start play

Switch off

Operating the CD player

Skip items during play

Stop play

Specify a disc
[3- or 5-disc changer]

[MEGA CD changer] (holds more than 50 discs)
Start play from a specified disc

Start play from a selected track

⑤ RADIO

Listening to the radio

Switch on

Switch on the receiver Select FM or AM

Switch off

Operating the radio

Change preset channels sequentially

Select preset channels directly
e.g Select 4 : [4]
Select 21 :
[≥10/ENTER]→[2]→[1]

Select radio stations by frequency
e.g Select 107.9 MHz,
[1]→[0]→[7]→[9]

⑥ TAPE

Listening to tapes

Switch on

Switch on the receiver

Switch on the deck and start play

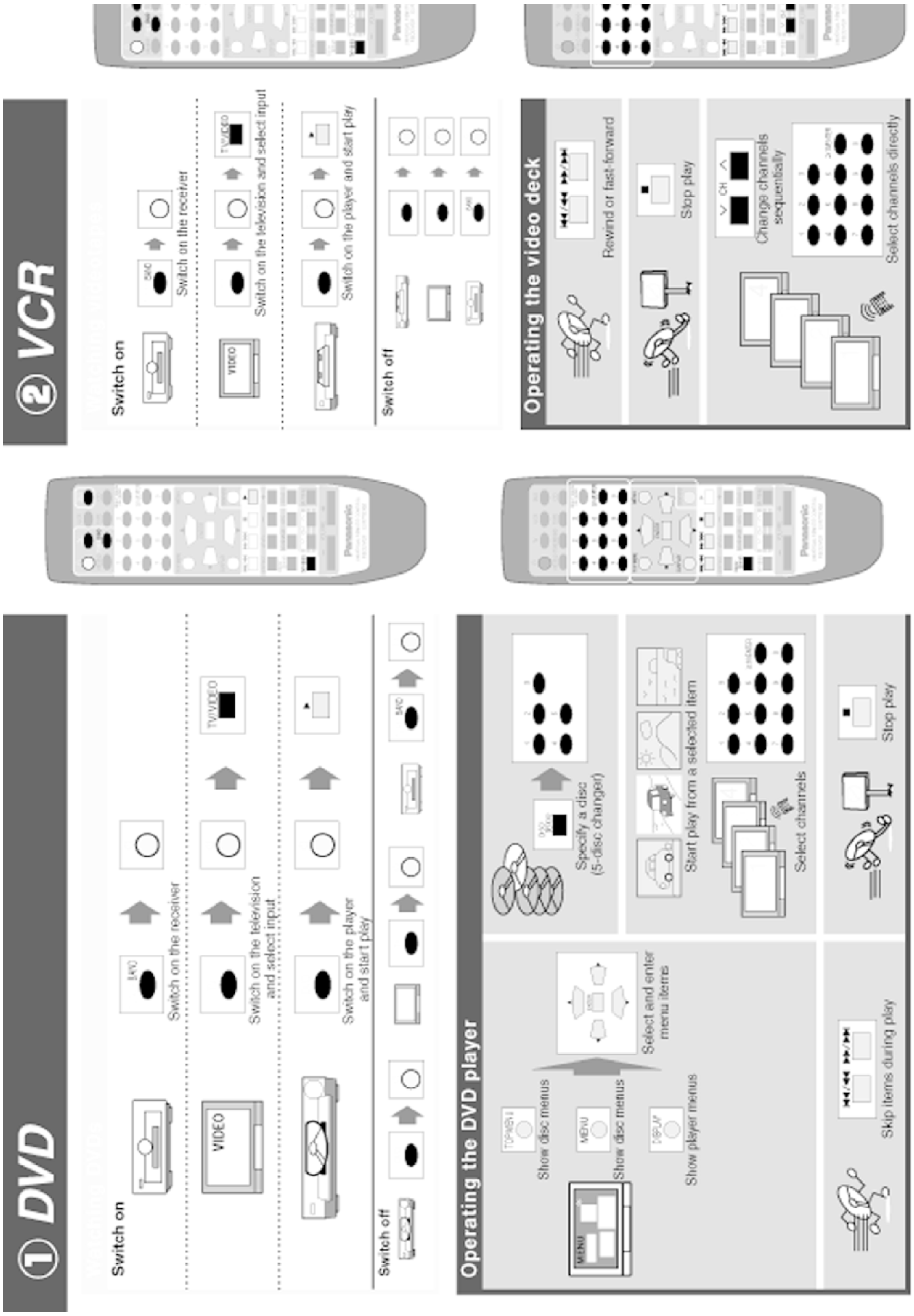
Switch off

Operating the tape deck

Rewind or fast-forward

Select DECK 1 or 2

Stop play


① DVD
Switch on
Switch on the receiver
Switch on the television and select input
Switch on the player and start play
VIDEO
TV/VIDEO
Switch off
Operating the DVD player
Show disc menus
Show player menus
Select and enter menu items
Specify a disc (5-disc changer)
Start play from a selected item
Select channels
Stop play
Skip items during play
MENU
② VCR
Switch on
Switch on the receiver
Switch on the television and select input
Switch on the player and start play
Switch off
Operating the video deck
Rewind or fast-forward
Stop play
Change channels sequentially
Select channels directly
Panasonic

7. Disassembly and Main Component Replacement Procedures

“ATTENTION SERVICER”

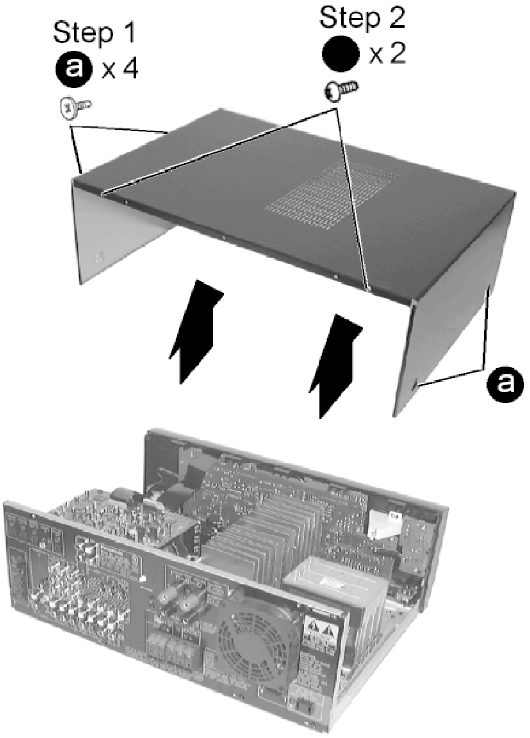
Some chassis components maybe have sharp edges. Be careful when diassembling and servicing.

1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse the respective procedures. / Special reassembly procedures are described only when required.**
3. **Select items from the following index when checks or replacement are required.**

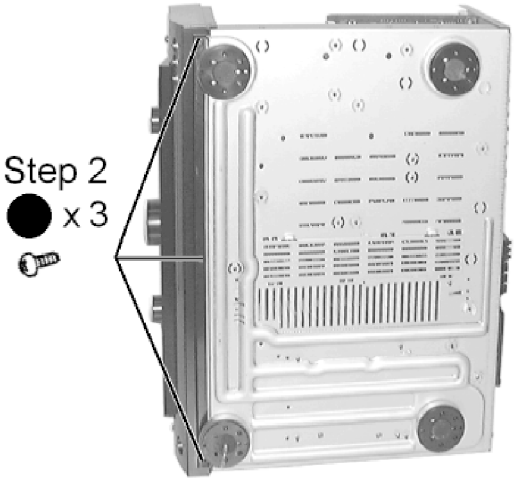
Content

- Disassembly Procedure for each major P.C.B.
- Main Component Replacement Procedures
1. Replacement of the Power IC and Regulator Transistor
2. Installation of the bottom cover after replacement

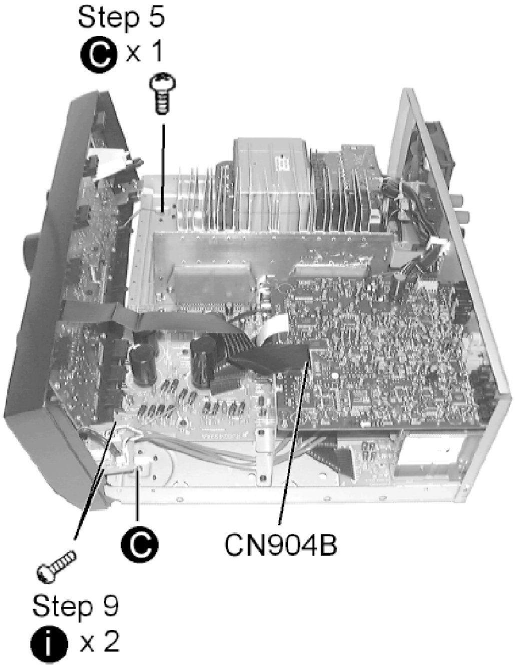
7.1. Disassembly Procedure for each major P.C.B.



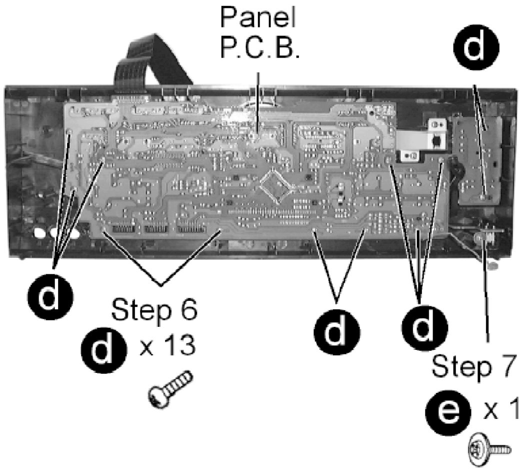
Step 1 & 2 Unscrew and remove top cabinet as shown.



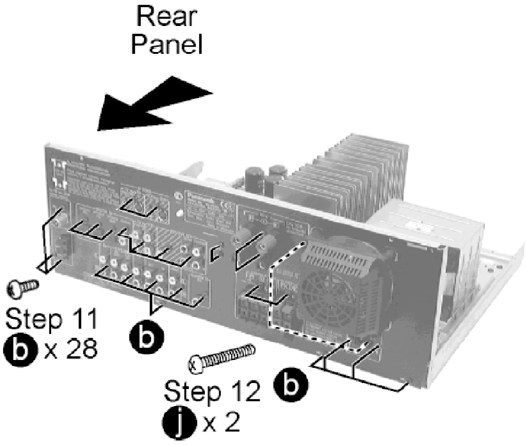
Step 3 Remove all the screws.


Step 5
C x 1
C
CN904B
Step 9
i x 2

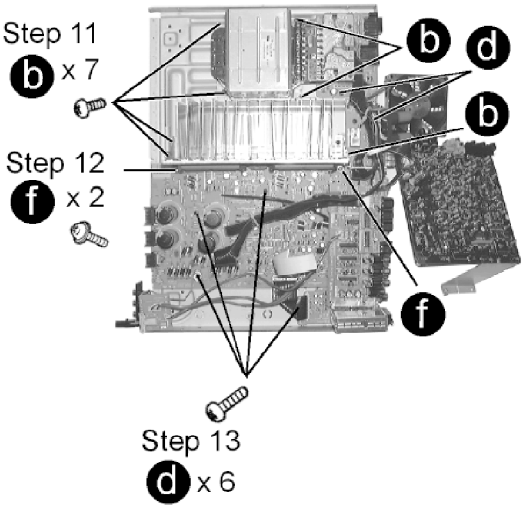
Step 4 Release the connector CN904B.
Step 5 Remove the screw.


Panel
P.C.B.
d
d
Step 6
d x 13
d
d
Step 7
e x 1

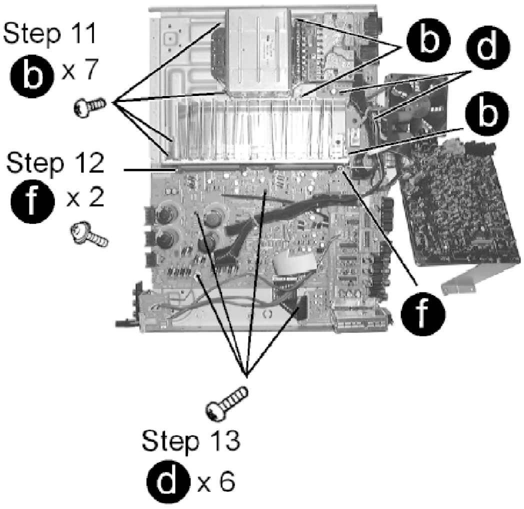
Step 6 & 7 Remove all the screws.


Rear
Panel
Step 11
b x 28
b
Step 12
b
j x 2

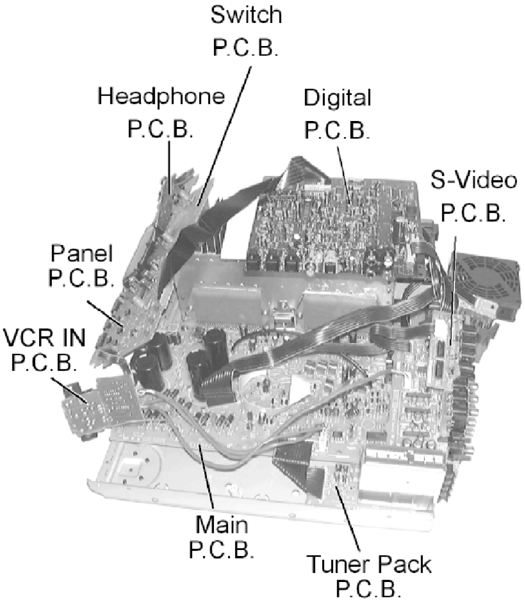
Step 8 Remove the Selector knob and Volume knob, Unscrew the nut and remove the Volume ring.


Step 11
b x 7
b
d
b
Step 12
f x 2
f
Step 13
d x 6

Step 9 Remove all the screws.


Step 11
b x 7
Step 12
f x 2
b
d
b
f
Step 13
d x 6

Step 10 Release the connectors CN702 and CN1000A. Pull up the Digital P.C.B. as shown.

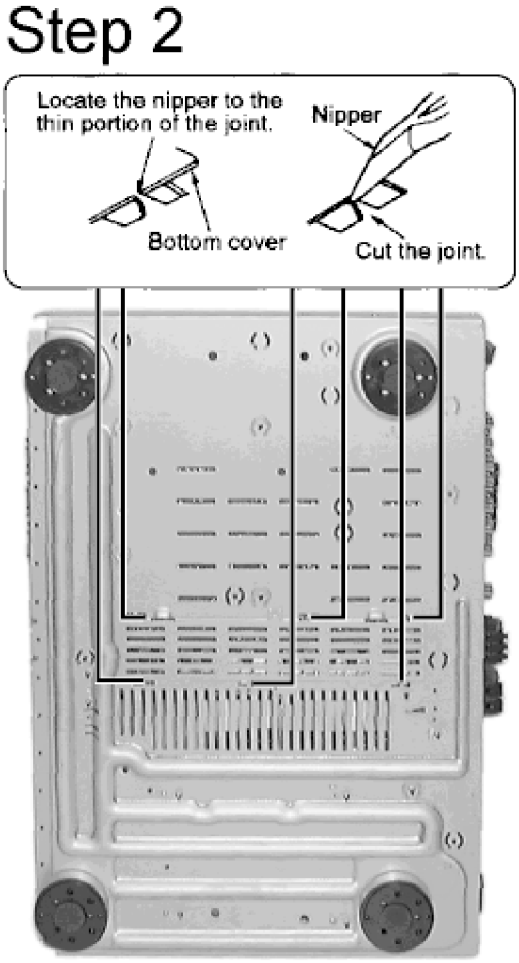

Switch P.C.B.
Headphone P.C.B.
Digital P.C.B.
S-Video P.C.B.
Panel P.C.B.
VCR IN P.C.B.
Main P.C.B.
Tuner Pack P.C.B.

Step 11, 12 & 13 Remove all the screws.
Reconnect all wires and connectors to test all P.C.B..

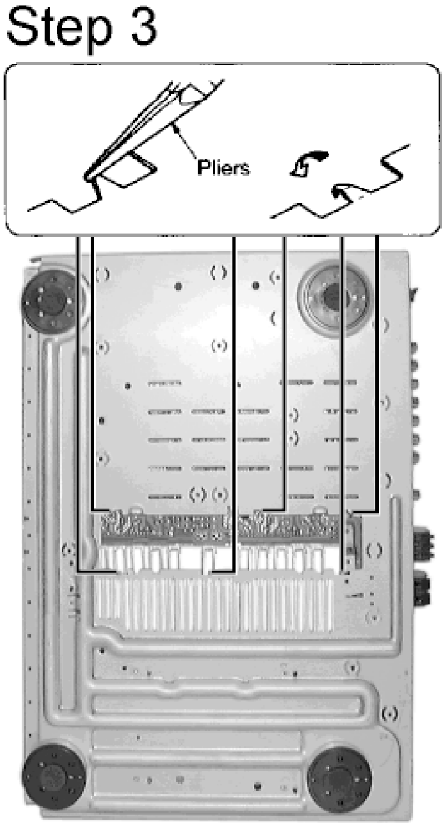
7.2. Main Component Replacement Procedures

7.2.1. Replacement of the Power IC and Regulator Transistor

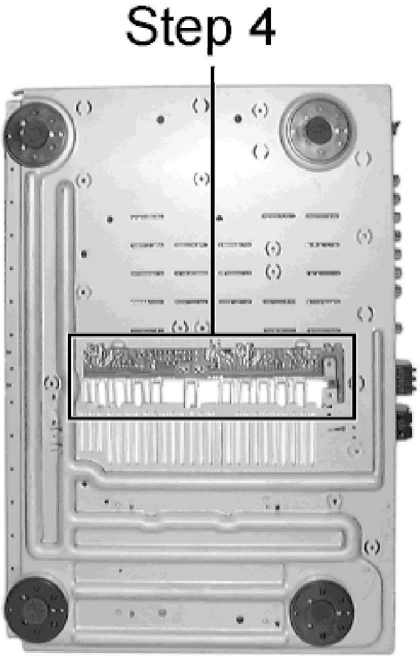
Step 1 Remove the top cabinet.


Step 2
Locate the nipper to the thin portion of the joint.
Nipper
Bottom cover
Cut the joint.

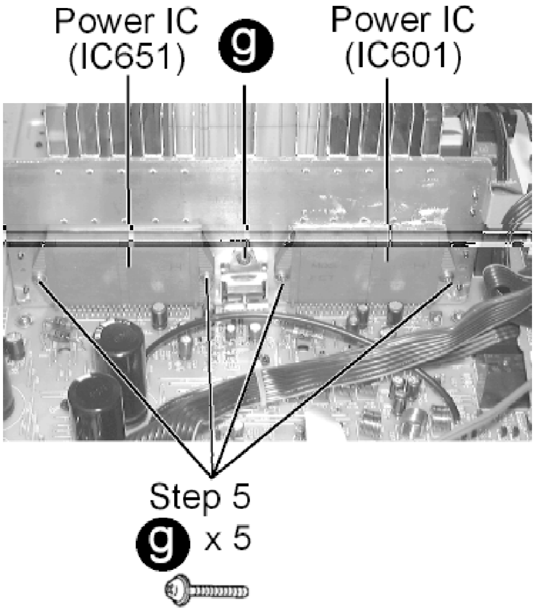
Step 2 Cut the joints as shown below. (6 joints)


Step 3
Pliers

Step 3 Fold the joints. (6 joints)

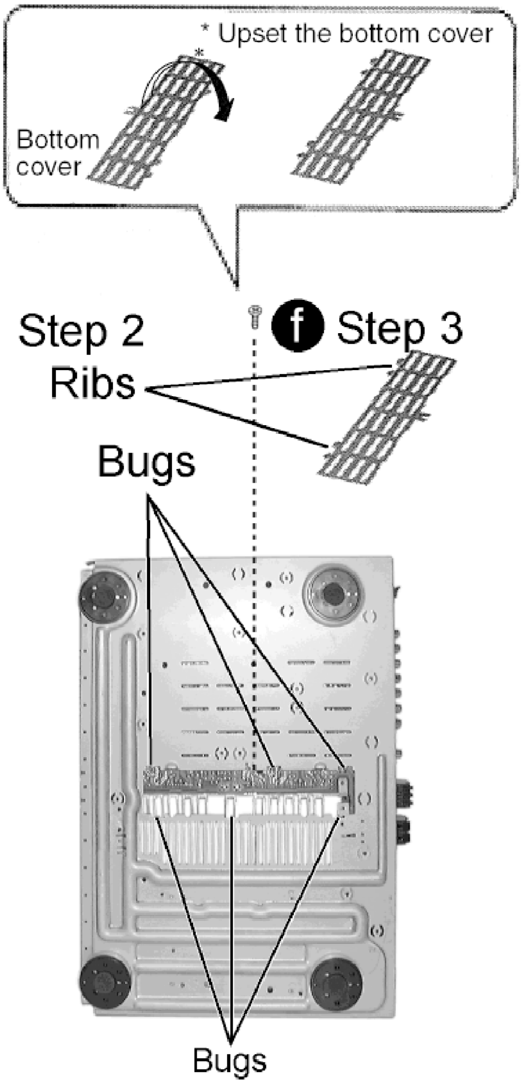


Step 4 Desolder the terminals of Power IC and Regulator Transistor.


Power IC
(IC651)
g
Power IC
(IC601)
Step 5
g x 5

Step 5 Remove all the screws.

7.2.2. Installation of the bottom cover after replacement


* Upset the bottom cover
Bottom cover
Step 2
Ribs
Step 3
Bugs
Bugs

Step 1 Upset the bottom cover.
Step 2 Align the ribs of bottom cover into the bugs.
Step 3 Prepare the screws to fix the bottom cover.

8. Self-Diagnostic Function

8.1. Self-Diagnostic Function and Service Mode

8.1.1. Display Content

Item	Abnormal Status	Error Display
Low Frequency	**Abnormal power amp output**	**F61**
	Abnormal communication between peripheral LST and Micro Computer	**F70**
Power Supply Display	**Abnormal Stabilized power supply**	**F76**

9. Type Illustrations of ICs, Transistors & Diodes

10. Terminal Functions of ICs

- IC901 (C2BBGF000316) MICRO COMPUTER

Pin No.	Mark	I/O	Function
1~2	KEY1~KEY2	I	Key Input 1~2
3	RDS_CLK	-	RDS Decoder IC - CLOCK
4	RDS_DO	-	RDS Decoder IC - DATA OUT
5	RDS_DI	-	RDS Decoder IC - DATA IN
6	RDS_CE	-	RDS Decoder IC - CE
7	THRM/OVLD_1	I	Over Load Input 1
8	THRM/OVLD_2	I	Over Load Input 2
9	SD	I	SD Signal Input
10	IF_DATA	I	IF DATA Input
11	TNR_CE	O	Tuner Control - CE
12	S_MODE_ENCD_A	I	Sound Mode Encoder - A
13	S_MODE_ENCD_B	I	Sound Mode Encoder - B
14	TC9482_CLK	O	Master Volume Control - CLK
15	TC9482_DT	O	Master Volume Control - DT
16	TC9482_ST	O	Master Volume Control - ST
17	CNVSS	-	-
18	RESET	-	Reset Detect Terminal
19	VOL_ENCD_A	I	Volume Encoder Input 1
20	VOL_ENCD_B	I	Volume Encoder Input 2
21	VSS	I	Ground
22	XIN	I	Crystal Oscillator Terminal (4 MHz)
23	XOUT	O	Crystal Oscillator Terminal (4 MHz)
24	VCC	I	Power Supply Terminal
25	AK4586_INT1	I	AK4586_INTL Terminal
26	AK4586_OVLERR	I	AK4586 Overload Error Input
27	AK4586_CDOUT	I	AK4586 Serial Data Input
28	AK4586_CS	I	AK4586 Chip Selector
29	AK4586_ INT0	I	AK4586 INT0 Terminal

30	CS493xx_ INTREQ	I	CS493xx Input Request
31	REMOTE	I	Remote Control Terminal
32	HOLD	I	Power Down Detect
33	FRONT_VCR	I	Front VCR Select
34	DSP_SW	O	DSP Bypass/On Switch
35	AK4382_CS	O	AK4382 Chip Selector
36	A16	O	External ROM Address - A16
37	LED_DT	O	LED - DT
38	LED_CLK	O	LED - CLK
39	LED_LCK	O	LED - LCK
40	A14	O	External ROM Address - A14
41	SEL_ENCD_A	I	Selector Encoder A
42	SEL_ENCD_B	I	Selector Encoder B
43	A15	O	External ROM Address - A15
44	VCR_REC_MUTE	O	VCR Rec Mute Control
45	LIMITER	O	Power Limiter Control
46	TC916x_STB	O	Selector/DVD 6CH - ST
47	TC916x_ TNR_CK	O	Selector/Tuner/DVD 6CH SW -CK
48	TC916x_ TNR_DT	O	Selector/Tuner/DVD 6CH - DT
49	S/C_SP	O	Surround/Center speaker
50	SP_B	O	Speaker B control
51	SP_A	O	Speaker A control
52	RELAY	O	Power Relay Control
53	AF_MUTE	O	AF Muting
54	SUBW_MUTE	O	AF Muting for Subwoofer
55	WAKE_LED	O	Wake up timer LED
56	A/D_ATT	O	A/D Input Attenuator
57~59	NOT USED	-	NOT USED
60~78	SEG19~ SEG1	O	FL Display Segment Output
79~88	DIG1~ DIG10	O	FL Display Digit Output
89	VEE	-	Power Supply for FL Driver
90	CS493xx_ SCDOUT	O	CS493xx Serial Data In
91	CS493xx_CDIN	O	CS493xx / AK4586 / AK4382 Serial Data Out

92	CS493xx_CCLK	O	CS493xx / AK4586 / AK4382 Serial Clock
93	CS493xx_CS	O	CS493xx Chip Select
94	AK4586_RESET	O	AK4586 Reset
95	CS493xx_ RESET	O	CS494xx Reset
96	INIT_IN	I	Initialize Diode Input
97	AVSS	-	Ground
98	VREF	-	Reference Voltage
99	VIDEO_B	O	Video Selector Control - B
100	VIDEO_A	O	Video Selector Control - A

11. Block Diagram

12. Schematic Diagram

(All schematic diagrams may be modified at any time with the development of new technology.)
Notes:

S301	Slide Switch
S950	Power Switch
S951	Speaker A Switch
S954	Timer Swtich
S955	Memory Switch
S956	FM Mode Switch
S957	Band Switch
S958	Preset Switch
S959	Tuning Up Switch
S960	Tuning Down Switch
S961	Speaker B Switch
S962	Reset Help Switch
S963	Display Sound MD Switch
S965	Digital Switch
S966	DVD 6Ch Switch
S967	+/Right Switch
S968	-/Left Switch
S969	Tone/Balance Switch
S970	Tape Monitor Switch
S971	Sub. Woofer Level Switch
VR901	Vr Rotary Encoder
VR902	Vr Volume Encoder
VR903	Vr Rotary Encoder

- The voltage value and waveforms are the reference voltage of this

unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

< > ...FM

- Importance safety notice:
  Components identifed by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer’s specified parts shown in the parts list.

Caution!

IC, LSI and VLSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.

13. Printed Circuit Board

14. Wiring Connection Diagram

15. Parts Location and Replacement Parts List

Notes:

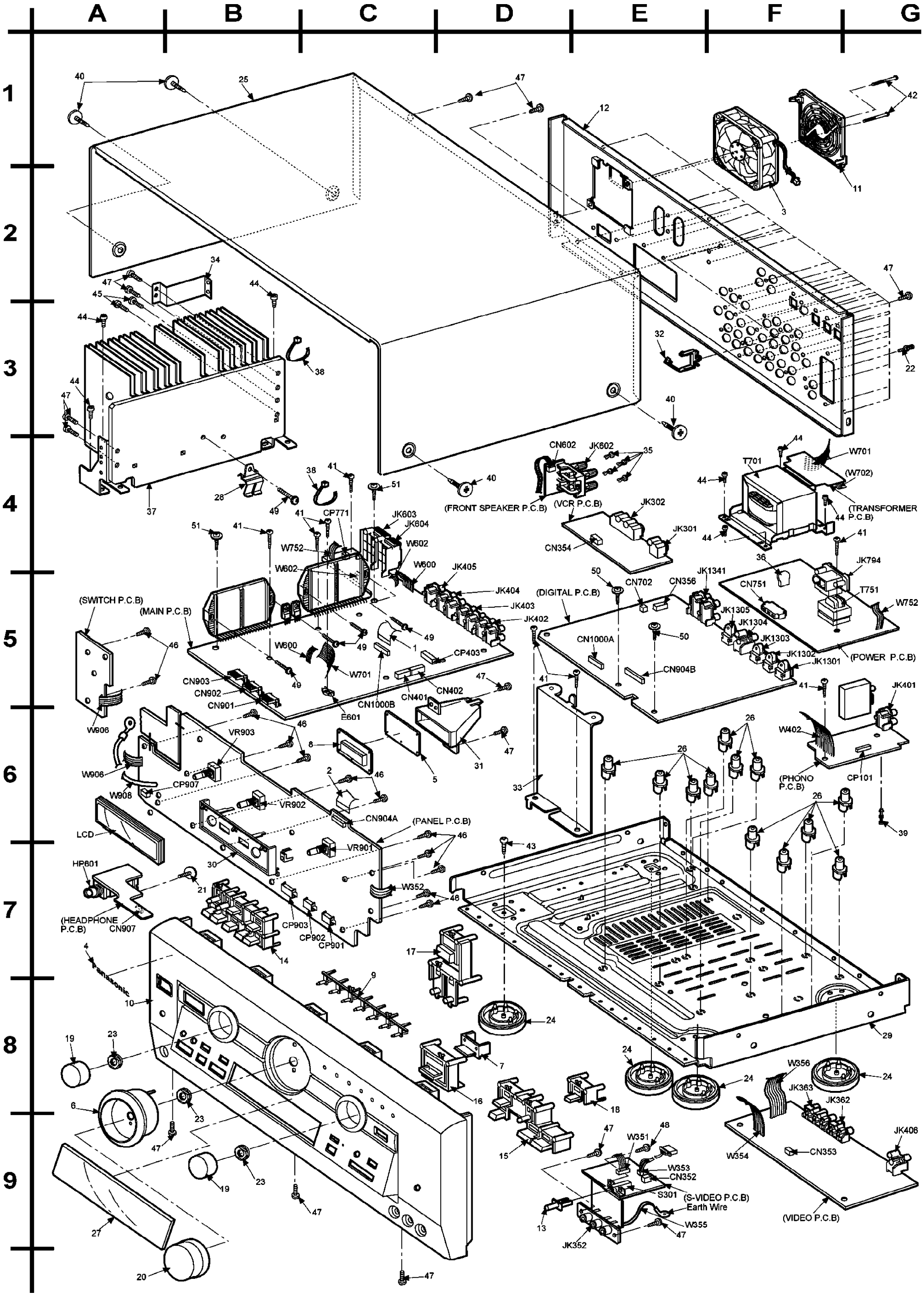
- Important safety notice:
  Components identified by ⚠ mark have special characteristics important for safety.
  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
  When replacing any of these components, be sure to use only manufacturers’s specified parts shown in the parts list.

- **The parenthesized indications in the Remarks column specify the areas or color. (Refer to the cover page for area or color.) Parts without these indications can be used for all areas.**
- **Capacitor values are in microfarad (μ F) unless specified otherwise, P=Pico-farads(pF); Farads.**
- **Resistance values are in ohms, unless specified otherwise, 1K= 1,000(ohms).**
- **The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws govening part and product retention. After the end of this period, the assembly will no longer be available.**
- **[M] indicates in the Remarks columns indicates parts that are supplied by MESA.**
- **The “(SF)” mark denotes the standard part.**
- **Reference for O/I book languages are as follows :**

Ar : Arabic
Cf : Canadian French
Cz : Czech
Da : Danish
Du : Dutch
En : English
Fr : French
Ge : German
It : Italian
Ko : Korean
Po : Polish
Ru : Russian
Sp : Spanish
Sw : Swedish
Co : Traditional Chinese
Cn : Simplified Ch

15.1. Cabinet

15.1.1. Cabinet Parts Location


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
40
25
47
12
42
3
11
34
47
45
44
44
38
44
47
32
22
40
37
28
49
38
41
51
40
(FRONT SPEAKER P.C.B)
CN602
JK602
35
(VCR P.C.B)
JK302
JK301
CN354
T701
44
W701
(W702)
(TRANSFORMER P.C.B)
51
41
41
CP771
JK603
JK604
W752
W602
W602
W600
JK405
JK404
JK403
JK402
(SWITCH P.C.B)
(MAIN P.C.B)
46
W600
49
49
1
CP403
49
W701
CN903
CN902
CN901
E601
CN1000B
CN401
CN402
47
W906
50
CN702
CN356
(DIGITAL P.C.B)
JK1341
CN751
36
JK794
T751
W752
JK1305
JK1304
JK1303
JK1302
JK1301
(POWER P.C.B)
CN1000A
50
CN904B
41
41
JK401
VR903
46
8
5
31
47
W906
CP907
W908
VR902
2
46
CN904A
(PANEL P.C.B)
46
33
W402
26
26
(PHONO P.C.B)
CP101
26
39
LCD
VR901
30
43
HP601
21
W352
46
(HEADPHONE P.C.B)
CN907
CP903
CP902
CP901
14
4
Panasonic
10
9
17
24
29
19
23
6
23
47
8
7
16
18
24
24
W356
24
JK363
JK362
JK406
47
W351
48
W353
CN352
S301
(S-VIDEO P.C.B)
Earth Wire
W355
47
W354
CN353
(VIDEO P.C.B)
15
13
JK352
27
19
23
47
20
47

15.1.2. Cabinet Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	REEV0014	18P FFC WIRE	[M]
2	REEV0015-1	25P FFC	[M]
3	REM0080B	FAN UNIT	[M]
4	RGB0036-2N	PANASONIC BADGE	[M]
5	RGK1339A-N	HALF MIRROR	[M]
6	RGKV0001-1S	VOLUME RING	[M]
7	RGL0533-Q	DIGITAL LIGHT GUIDE	[M]
8	RGL0535-Q	MOS LIGHT GUIDE	[M]
9	RGL0536-Q	SEL LIGHT GUIDE	[M]
10	RGP0866F-K	FRONT PANEL	[M]
11	RGQ0330-K	FAN COVER	[M]
12	RGRV0002B-A	REAR PANEL	[M]EG E
12	RGRV0002B-B	REAR PANEL	[M]EB
13	RGU1390-K	VCR2 BUTTON	[M]
14	RGU1941F-K	MODE BUTTON	[M]
15	RGU1942-2K	TONE BUTTON	[M]
16	RGU1945-2K	DIGITAL BUTTON	[M]
17	RGU1946-2K	POWER BUTTON	[M]
18	RGU1947-Q	6CH BUTTON	[M]
19	RGW0280-1K	SELECTOR KNOB	[M]
20	RGW0359-1K	VOLUME KNOB	[M]
21	RHD26016	SCREW (PHONE JACK)	[M]
22	RHD30070	EARTH TERMINAL	[M]
23	RHN90001	M9 NUT	[M]
24	RKA0079A-A	LEG UNIT	[M]
25	RKM0373C-1K	TOP CABINET	[M]
26	RKQ0089A	PCB SUPPORT	[M]
27	RKWV0001A-Q	FL WINDOW	[M]
28	RMC0158-S	TRANSISTOR HOLDER	[M]
29	RMK0320-1	BOTTOM CHASSIS	[M]
30	RMN0628A	FL HOLDER	[M]
31	RMN0630	LED HOLDER	[M]
32	RMN0649	WIRE CLAMPER	[M]
33	RMN0688	DIGITAL PCB SUPPORT	[M]
34	RMQ1030	HEAT SINK ANGLE	[M]
35	RMR1165-K	SPEAKER COVER	[M]
36	RMZ0339	ZNR COVER	[M]
37	RXX0233	HEAT SINK UNIT	[M]
38	SHR301	WIRE CRAMPER	[M]
39	SHR8006	PCB SPACER	[M]
40	SNE2129-3	SCREW (CABINET)	[M]
41	XTB3+20JFZ	SCREW	[M]
42	XTB3+35JFZ	SCREW (FAN)	[M]
43	XTB3+6G	SCREW	[M]
44	XTB3+8FFZ	SCREW	[M]
45	XTB3+8JFZ	SCREW	[M]
46	XTBS26+10J	SCREW	[M]
47	XTBS3+8JFZ1	SCREW	[M]
48	XTN26+8GFZ	SCREW (FIX COBRA COV	[M]
49	XTW3+15T	SCREW	[M]
50	XTW3+8PFZ	SCREW	[M]
51	XTWS3+8T	SCREW	[M]

15.2. Components Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PRINTED CIRCUIT BOARD	
	REP3261B-T	DIGITAL P.C.B.(SIDE: A)	[M](RTL)
	REP3261B-T	DIGITAL P.C.B.(SIDE: B)	[M](RTL)
	REP3259C-M	MAIN P.C.B.	[M](RTL)E EG
	REP3259D-M	MAIN P.C.B.	[M](RTL)EB
	REP3259C-M	FRONT SPEAKER P.C.B.	[M](RTL)E EG
	REP3259D-M	FRONT SPEAKER P.C.B.	[M](RTL) EB
	REP3260B-S	PANEL P.C.B.	[M](RTL)
	REP3260B-S	HEADPHONE P.C.B.	[M](RTL)
	REP3260B-S	SWITCH P.C.B.	[M](RTL)
	REP3259C-M	PHONO EQ P.C.B.	[M](RTL)E EG
	REP3259D-M	PHONO EQ P.C.B.	[M](RTL)EB
	REP3260B-S	S-VIDEO P.C.B.	[M](RTL)
	REP3259C-M	TRANSFORMER P.C.B.	[M](RTL)E EG
	REP3259D-M	TRANSFORMER P.C.B.	[M](RTL)EB
	REP3259C-M	SUB-TRANSFORMER P.C.B.	[M](RTL) E EG
	REP3259D-M	SUB-TRANSFORMER P.C.B.	[M](RTL)EB
	REP3260B-S	VCR P.C.B.	[M](RTL)
	REP3262B-T	VIDEO P.C.B.	[M](RTL)
		INTERGRATED CIRCUITS	
IC301	C1AA00000123	IC VIDEO SELECTOR SW	[M]
IC302	C1AA00000123	IC VIDEO SELECTOR SW	[M]
IC364	C1AA00000123	IC VIDEO SELECTOR SW	[M]
IC401	TC9163AN	IC SELECTOR	[M]
IC402	C0AABB000086	IC OP AMP	[M]
IC451	AN6558F	IC OP AMP	[M]
IC601	RSN310R37A-P	IC 3 CH HIC	[M] ⚠
IC651	RSN310R36A-P	IC 3 CH HIC	[M] ⚠
IC901	C2BBGF000316	IC MICOM	[M]
IC902	C1BB00000542	IC IO EXPANDER	[M]
IC970	LC72720N	IC RDS	[M]
IC1001	C2HBZZ000008	IC AC3/DTS	[M]
IC1002	C1BB00000684	IC DIR/DAC/VOL	[M]
IC1003	SN74LV244APW	IC LOGIC	[M]
IC1004	SN7AHCT244PW	IC LOGIC	[M]
IC1005	C0FBBK000029	IC DAC	[M]
IC1006	SN74HCU04APW	IC LOGIC	[M]
IC1007	SNAHC1U04DBV	IC SINGLE INVERTER	[M]
IC1008	SN7AHCT574PW	IC LOGIC	[M]
IC1009	SN7AHCT574PW	IC LOGIC	[M]
IC1010	SN74LV244APW	IC LOGIC	[M]
IC1011	C3FBJC000040	IC FLASH ROM	[M]
IC1201	NJM2060MTE1	IC OP AMP	[M]
IC1203	C0ABBB000127	IC OP AMP	[M]
IC1212	C1BB00000490	IC VOLUME	[M]
IC1230	NJM2060MTE1	IC OP AMP	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
IC1231	**C0ABBB000127**	**IC OP AMP**	**[M]**
IC1301	**NJM2060MTE1**	**IC OP AMP**	**[M]**
IC1302	**NJM2060MTE1**	**IC OP AMP**	**[M]**
IC1360	**C0ABBB000127**	**IC OP AMP**	**[M]**
IC1361	**C0ABBB000127**	**IC OP AMP**	**[M]**
IC1401	**C0JBAS000175**	**IC SELECTOR**	**[M]**
IC1402	**TC9482F**	**IC VOLUME**	**[M]**
IC1451	**C0ABBB000127**	**IC OP AMP**	**[M]**
IC1452	**NJM2060MTE1**	**IC OP AMP**	**[M]**
IC1522	**C0ABBB000102**	**IC OP AMP**	**[M]**
IC1701	**BA25BC0FP**	**IC REGULATOR**	**[M]** ⚠
		TRANSISTORS	
Q361	**KTD863**	**TRANSISTOR**	**[M]**
Q362	**2SB0621ARA**	**TRANSISTOR**	**[M]**
Q401	**2SK2880CTA**	**TRANSISTOR**	**[M]**
Q402	**2SK2880CTA**	**TRANSISTOR**	**[M]**
Q551	**2SD1915FTA**	**TRANSISTOR**	**[M]**
Q552	**2SD1915FTA**	**TRANSISTOR**	**[M]**
Q553	**2SD1915FTA**	**TRANSISTOR**	**[M]**
Q554	**2SD1915FTA**	**TRANSISTOR**	**[M]**
Q555	**2SD1915FTA**	**TRANSISTOR**	**[M]**
Q556	**2SD1915FTA**	**TRANSISTOR**	**[M]**
Q601	**KRA119MTA**	**TRANSISTOR**	**[M]**
Q602	**KRA119MTA**	**TRANSISTOR**	**[M]**
Q603	**KRA119MTA**	**TRANSISTOR**	**[M]**
Q604	**KRA102MTA**	**TRANSISTOR**	**[M]**
Q605	**KRA102MTA**	**TRANSISTOR**	**[M]**
Q651	**KRA119MTA**	**TRANSISTOR**	**[M]**
Q652	**KRA119MTA**	**TRANSISTOR**	**[M]**
Q701	**2SD2374PQAU**	**TRANSISTOR**	**[M]** ⚠
Q703	**KTC3199GRTA**	**TRANSISTOR**	**[M]** ⚠
Q704	**KTC3199GRTA**	**TRANSISTOR**	**[M]** ⚠
Q706	**KTD863**	**TRANSISTOR**	**[M]** ⚠
Q707	**2SA1534ALA**	**TRANSISTOR**	**[M]** ⚠
Q708	**2SB1548PQAU**	**TRANSISTOR**	**[M]** ⚠
Q723	**KRA102MTA**	**TRANSISTOR**	**[M]** ⚠
Q724	**KRC102MTA**	**TRANSISTOR**	**[M]** ⚠
Q725	**KRC107MTA**	**TRANSISTOR**	**[M]** ⚠
Q751	**RVTDTC143ZST**	**TRANSISTOR**	**[M]**
Q752	**KTD863**	**TRANSISTOR**	**[M]**
Q753	**2SK2880CTA**	**TRANSISTOR**	**[M]** ⚠
Q754	**KRC102MTA**	**TRANSISTOR**	**[M]** ⚠
Q771	**KTA1267GRTA**	**TRANSISTOR**	**[M]**
Q772	**KTC3199GRTA**	**TRANSISTOR**	**[M]**
Q773	**2SB621AQSTA**	**TRANSISTOR**	**[M]**
Q774	**RVTDTA113ZST**	**TRANSISTOR**	**[M]**
Q775	**KRA102MTA**	**TRANSISTOR**	**[M]**
Q776	**KTC3199GRTA**	**TRANSISTOR**	**[M]**

Ref. No.	Part No.	Part Name & Description	Remarks
Q777	KTA1267GRTA	TRANSISTOR	[M]
Q778	KTA1267GRTA	TRANSISTOR	[M]
Q779	KTA1267GRTA	TRANSISTOR	[M]
Q780	KTA1267GRTA	TRANSISTOR	[M]
Q781	KTC3199GRTA	TRANSISTOR	[M]
Q901	KRC107MTA	TRANSISTOR	[M]
Q902	KTA1267GRTA	TRANSISTOR	[M]
Q1001	B1GDCFJN0001	TRANSISTOR	[M]
Q1501	2SD1915FTA	TRANSISTOR	[M]
Q1502	2SD1915FTA	TRANSISTOR	[M]
Q1601	2SD1915FTA	TRANSISTOR	[M]
Q1602	RVTDTA114EST	TRANSISTOR	[M]
Q1603	2SD1915FTA	TRANSISTOR	[M]
Q1681	2SD1915FTA	TRANSISTOR	[M]
Q1682	2SD1915FTA	TRANSISTOR	[M]
Q1701	KTC2026	TRANSISTOR	[M] ⚠
Q1702	2SD2374PQAU	TRANSISTOR	[M] ⚠
Q1703	KTC3199GRTA	TRANSISTOR	[M] ⚠
		DIODES	
D301	B0AACK000004	DIODE	[M]
D302	B0AACK000004	DIODE	[M]
D362	B0BA5R600016	DIODE	[M]
D363	B0BA5R600016	DIODE	[M]
D364	B0AACK000004	DIODE	[M]
D365	B0AACK000004	DIODE	[M]
D401	B0BA7R500006	DIODE	[M]
D403	B0AACK000004	DIODE	[M]
D404	B0AACK000004	DIODE	[M]
D601	B0JAPG000008	DIODE	[M]
D602	B0JAPG000008	DIODE	[M]
D605	B0AACK000004	DIODE	[M]
D611	B0AACK000004	DIODE	[M]
D612	B0AACK000004	DIODE	[M]
D613	B0AACK000004	DIODE	[M]
D614	B0AACK000004	DIODE	[M]
D617	B0AACK000004	DIODE	[M]
D618	B0BA8R200005	DIODE	[M]
D651	B0JAPG000008	DIODE	[M]
D652	B0JAPG000008	DIODE	[M]
D667	B0AACK000004	DIODE	[M]
D668	B0BA8R200005	DIODE	[M]
D701	1N5402BM21	DIODE	[M] ⚠
D702	1N5402BM21	DIODE	[M] ⚠
D703	1N5402BM21	DIODE	[M] ⚠
D704	1N5402BM21	DIODE	[M] ⚠
D705	B0BA6R100003	DIODE	[M]
D707	B0BA03200003	DIODE	[M]
D708	MTZJ16CTA	DIODE	[M]
D721	1N5402BM21	DIODE	[M] ⚠

Ref. No.	Part No.	Part Name & Description	Remarks
D722	1N5402BM21	DIODE	[M] ⚠
D723	1N5402BM21	DIODE	[M] ⚠
D724	1N5402BM21	DIODE	[M] ⚠
D725	1N5402BM21	DIODE	[M] ⚠
D726	1N5402BM21	DIODE	[M] ⚠
D727	1N5402BM21	DIODE	[M] ⚠
D728	1N5402BM21	DIODE	[M] ⚠
D731	B0AACK000004	DIODE	[M]
D732	B0AACK000004	DIODE	[M]
D733	B0AACK000004	DIODE	[M]
D734	B0AACK000004	DIODE	[M]
D741	1SR35400V	DIODE	[M] ⚠
D742	1SR35400V	DIODE	[M] ⚠
D743	1SR35400V	DIODE	[M] ⚠
D744	1SR35400V	DIODE	[M] ⚠
D751	1SR35400V	DIODE	[M] ⚠
D752	1SR35400V	DIODE	[M] ⚠
D753	1SR35400V	DIODE	[M] ⚠
D754	1SR35400V	DIODE	[M] ⚠
D755	B0AACK000004	DIODE	[M]
D756	B0BA6R600008	DIODE	[M]
D757	MTZJ16CTA	DIODE	[M]
D768	B0BA3R300010	DIODE	[M]
D769	B0AACK000004	DIODE	[M]
D770	B0AACK000004	DIODE	[M]
D771	RB721Q40T77	DIODE	[M] ⚠
D772	RB721Q40T77	DIODE	[M] ⚠
D773	B0BA8R200005	DIODE	[M]
D774	RB721Q40T77	DIODE	[M]
D781	RB721Q40T77	DIODE	[M] ⚠
D782	RB721Q40T77	DIODE	[M] ⚠
D901	1SS291TA	DIODE	[M]
D902	B0AACK000004	DIODE	[M]
D903	B0BA5R600016	DIODE	[M]
D904	B0BA4R000003	DIODE	[M]
D905	MA2C167A0E	DIODE	[M]
D907	MA2C167A0E	DIODE	[M]
D911	B0AACK000004	DIODE	[M]
D913	B0AACK000004	DIODE	[M]
D914	1SS291TA	DIODE	[M]
D929	SLR56YY3FN	DIODE	[M]
D930	SLR56VR3FN	DIODE	[M]
D931	B3AAA0000487	DIODE	[M]
D932	B3AAA0000487	DIODE	[M]
D933	B3AAA0000487	DIODE	[M]
D934	B3AAA0000487	DIODE	[M]
D935	B3AAA0000487	DIODE	[M]
D936	B3AAA0000487	DIODE	[M]

D930	B3AAA0000487	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D937	B3AAA0000487	DIODE	[M]
D938	SLR325MCT31	DIODE	[M]
D939	SLR325MCT31	DIODE	[M]
D944	SLR325MCT31	DIODE	[M]
D970	B0AACK000004	DIODE	[M]
D1601	B0ACCK000005	DIODE	[M]
D1602	B0ACCK000005	DIODE	[M]
D1701	UDZSTE176R2B	DIODE	[M]
		VARIABLE RESISTORS	
VR901	K9AA012A0002	VR ROTARY ENCODER	[M]
VR902	RRV16B24304A	VR VOLUME ENCODER	[M]
VR903	K9AA012A0002	VR ROTARY ENCODER	[M]
		SWITCHES	
S301	RSP2D018-A	SW SLIDE	[M]
S950	EVQ21405RJ	SW POWER	[M]
S951	EVQ21405RJ	SW SPEAKER A	[M]
S954	EVQ21405RJ	SW TIMER	[M]
S955	EVQ21405RJ	SW MEMORY	[M]
S956	EVQ21405RJ	SW FM MODE	[M]
S957	EVQ21405RJ	SW BAND	[M]
S958	EVQ21405RJ	SW PRESET	[M]
S959	EVQ21405RJ	SW TUNING UP	[M]
S960	EVQ21405RJ	SW TUING DOWN	[M]
S961	EVQ21405RJ	SW SPEAKER B	[M]
S962	EVQ21405RJ	SW RESET HELP	[M]
S963	EVQ21405RJ	SW DISPLAY SOUND MD	[M]
S965	EVQ21405RJ	SW DIGITAL	[M]
S966	EVQ21405RJ	SW DVD 6CH	[M]
S967	EVQ21405RJ	SW +/RIGHT	[M]
S968	EVQ21405RJ	SW -/LEFT	[M]
S969	EVQ21405RJ	SW TONE/BALANCE	[M]
S970	EVQ21405RJ	SW TAPE MONITOR	[M]
S971	EVQ21405RJ	SW SUB.WOOFER LEVEL	[M]
		CONNECTORS	
CN352	K1MP03A00010	3P TAPING CONNECTOR	[M]
CN353	K1KA03A00006	3P CONNECTOR	[M]
CN354	RJS6T6ZA	CONNECTOR	[M]
CN356	K1MP07A00006	7P TAPING CONNECTOR	[M]
CN401	K1MP07A00006	7P TAPING CONNECTOR	[M]
CN402	K1MP06A00009	6P TAPING CONNECTOR	[M]
CN602	K1MP04A00008	4P TAPING CONNECTOR	[M]
CN702	K1MP03A00010	3P TAPING CONNECTOR	[M]
CN751	K1ML03B00002	3P CONNECTOR	[M]
CN901	K1KB08A00046	BOAD IN CONNECTOR	[M]
CN902	K1KB08A00046	BOAD IN CONNECTOR	[M]
CN903	K1KB10A00065	10P B/B CONNECTOR	[M]
CN904A	K1MN25A00012	25P FFC CONNECTOR	[M]
CN904B	K1MN25A00012	25P FFC CONNECTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
CN907	RJU100W04	4P CONNECTOR	[M]
CN1000A	K1MN18A00038	18P FFC CONNECTOR	[M]
CN1000B	K1MN18A00038	18P FFC CONNECTOR	[M]
CP101	K1KA11A00093	11P CONNECTOR	[M]
CP403	RJP6G4YA	CONNECTOR	[M]
CP771	K1KA02A00008	FAN CONNECTOR	[M]
CP901	RJT003K008M1	8P CONNECTOR	[M]
CP902	RJT003K008M1	8P CONNECTOR	[M]
CP903	RJT003K010M1	10P CONNECTOR	[M]
CP907	RJT100W04	4P CONNECTOR	[M]
		COILS & TRANSFORMERS	
L602	RLQYR73MW-E	CHOKE COIL	[M]
L603	RLQYR73MW-E	CHOKE COIL	[M]
L604	RLQYR73MW-E	CHOKE COIL	[M]
L651	RLQYR73MW-E	CHOKE COIL	[M]
L652	RLQYR73MW-E	CHOKE COIL	[M]
L653	RLQYR73MW-E	CHOKE COIL	[M]
L701	RLQT801M-W	CHOKE COIL	[M] ⚠
L751	G0C101KA0030	CHOKE COIL	[M]
L901	G0C101KA0030	CHOKE COIL	[M]
L970	G0C101KA0029	AXIAL COIL	[M]
L971	G0C101KA0029	AXIAL COIL	[M]
L1001	G1C2R2K00008	CHIP INDUCTOR	[M]
L1002	G1C2R2K00008	CHIP INDUCTOR	[M]
L1003	G1C2R2K00008	CHIP INDUCTOR	[M]
L1004	G1C2R2K00008	CHIP INDUCTOR	[M]
L1301	RLQZ150M-0	CHOKE COIL	[M]
L1303	VLQ0855M1R0T	CHIP INDUCTOR	[M]
T701	G4C9AGH00002	POWER TRANSFORMER	[M] ⚠
T751	RTP1H5B001	STANDBY TRANSFORMER	[M] ⚠
		COMPONENT COMBINATION	
Z101	RAN0002EM	TUNER MODULE	[M]
Z751	ERZV10V511CS	ZENER	[M] ⚠
Z901	B3RAB0000013	REMOTE SENSOR	[M]
Z1304	J0JKB0000020	EMI BEAD CORE	[M]
		CERAMIC FILTERS	
CF901	H2B400400008	CERAMIC OSCILLATOR	[M]
		RELAY	
RL601	K6B2AHA00014	RELAY	[M] ⚠
RL602	K6B2AHA00014	RELAY	[M] ⚠
RL603	K6B2AHA00014	RELAY	[M] ⚠

Ref. No.	Part No.	Part Name & Description	Remarks
RL604	K6B2AHA00014	RELAY	[M] ⚠
RL751	RSY0040M-0	POWER RELAY	[M] ⚠
		OSCILLATORS	
X970	H0H433400001	CRYSTAL OSCILLATOR	[M]
X1001	H0J122200001	CRYSTAL OSCILLATOR	[M]
		DISPLAY TUBE	
FL901	A2BB00000100	FL DISPLAY	[M]
		FUSES	
F1	XBA2C25TB0	FUSE	[M] ⚠
F3	XBA2C63TB0	FUSE	[M] ⚠
F4	XBA2C63TB0	FUSE	[M] ⚠
F5	XBA2C10TB0	FUSE	[M] ⚠
		FUSE HOLDERS	
FC701	EYF52BC	FUSE HOLDER	[M]
FC702	EYF52BC	FUSE HOLDER	[M]
FC705	EYF52BC	FUSE HOLDER	[M]
FC706	EYF52BC	FUSE HOLDER	[M]
FC707	EYF52BC	FUSE HOLDER	[M]
FC708	EYF52BC	FUSE HOLDER	[M]
FC709	EYF52BC	FUSE HOLDER	[M]
FC710	EYF52BC	FUSE HOLDER	[M]
FC711	EYF52BC	FUSE HOLDER	[M]
FC712	EYF52BC	FUSE HOLDER	[M]
		JACK	
HP601	K2HB103J0063	HEADPHONES	[M]
		JACKS	
JK301	VJJ0544	JK VIDEO TERMINA	[M]
JK302	RJS1D1304	JK SPEAKER TERMINAL	[M]
JK352	SJFK5-2	JK VCR IN	[M]
JK362	K4BK02H00003	JK 2 PIN RCA	[M]
JK363	K4BK03H00002	JK 3 PIN RCA	[M]
JK401	K4BK02H00001	JK 2 PIN RCA	[M]
JK402	K4BK04H00001	JK 4 PIN RCA	[M]
JK403	K4BK04H00001	JK 4 PIN RCA	[M]
JK404	K4BK04H00001	JK 4 PIN RCA	[M]
JK405	K4BK02H00002	JK 2 PIN RCA	[M]
JK406	K2HA101B0003	JK 1 PIN RCA	[M]
JK602	K4BB04B00001	JK SPEAKER	[M]
JK603	RJH5601-J	JK SPEAKER TERMINAL	[M]
JK604	RJH5603-8	JK SPEAKER TERMINAL	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
JK794	SJS9236-1	JK AC INLET	[M] ⚠
JK1301	K7ABBC000001	JK OPTICAL INPUT	[M]
JK1302	K7ABBC000001	JK OPTICAL INPUT	[M]
JK1303	K7ABBC000001	JK OPTICAL INPUT	[M]
JK1304	K4BK01H00003	JK COAX INPUT	[M]
JK1305	K7AABB000001	JK OPT TRANSMITTER	[M]
JK1341	K4BK04H00003	JK 4P RCA	[M]
		EARTH TERMINAL	
E601	SNE1004-2	EARTH TERMINAL	[M]
		WIRES	
W351	REX1070	SHIELD WIRE (6P)	[M]
W352	RWJ1803120SX	WIRE	[M]
W353	REX1069	SHIELD WIRE (3P)	[M]
W354	RWJ1806120SX	WIRE	[M]
W355	REZ1372	EARTH WIRE	[M]
W356	RWJ1807140SX	WIRE	[M]
W402	RWJ1813120SX	WIRE	[M]
W600	RWJ1806260SS	WIRE	[M]
W601	REE1104	WIRE	[M]
W602	RWJ1804200SX	WIRE	[M]
W701	RWJ1812520SS	WIRE	[M]
W702	RWJ1803280SX	WIRE	[M]
W752	RWJ1803150SS	WIRE	[M]
W906	RWJ1803150SS	WIRE	[M]
W908	REZ1372	EARTH WIRE	[M]
		RESISTORS	
R301	ERDS2TJ750T	75 1/4W	[M]
R302	ERDS2TJ105T	1M 1/4W	[M]
R303	ERDS2TJ103T	10K 1/4W	[M]
R304	ERDS2TJ750T	75 1/4W	[M]
R305	ERDS2TJ750T	75 1/4W	[M]
R306	ERDS2TJ105T	1M 1/4W	[M]
R307	ERDS2TJ103T	10K 1/4W	[M]
R308	ERDS2TJ750T	75 1/4W	[M]
R309	ERDS2TJ750T	75 1/4W	[M]
R310	ERDS2TJ750T	75 1/4W	[M]
R311	ERDS2TJ750T	75 1/4W	[M]
R312	ERDS2TJ105T	1M 1/4W	[M]
R313	ERDS2TJ103T	10K 1/4W	[M]
R314	ERDS2TJ750T	75 1/4W	[M]
R315	ERDS2TJ750T	75 1/4W	[M]
R316	ERDS2TJ750T	75 1/4W	[M]
R317	ERDS2TJ102T	1K 1/4W	[M]
R318	ERDS2TJ102T	1K 1/4W	[M]
R351	ERDS2TJ750T	75 1/4W	[M]
R370	ERDS2TJ750T	75 1/4W	[M]
R371	ERDS2TJ750T	75 1/4W	[M]
R372	ERDS2TJ750T	75 1/4W	[M]

R372	ERDS2TJ750T	75 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R373	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R374	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R375	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R376	**ERDS2TJ750T**	**75 1/4W**	**[M]**
R377	**ERDS2TJ750T**	**75 1/4W**	**[M]**
R385	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R386	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R387	**ERD25FVJ220T**	**22 1/4W**	**[M]**
R388	**ERDS2TJ182T**	**1.8K 1/4W**	**[M]**
R389	**ERDS2TJ182T**	**1.8K 1/4W**	**[M]**
R390	**ERD25FVJ220T**	**22 1/4W**	**[M]**
R391	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R392	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R393	**ERDS2TJ750T**	**75 1/4W**	**[M]**
R401	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R402	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R403	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R404	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R405	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R406	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R407	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R408	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R409	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R410	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R411	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R412	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R413	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R414	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R415	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R416	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R417	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R418	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R419	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R420	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R421	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R421	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R422	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R422	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R423	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R423	**ERDS2TJ224T**	**220K 1/4W**	**[M]**
R424	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R424	**ERDS2TJ224T**	**220K 1/4W**	**[M]**
R425	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R426	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R427	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R435	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R436	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R449	**ERDS1FVJ560T**	**56 1/2W**	**[M]** ⚠
R450	**ERDS1FVJ560T**	**56 1/2W**	**[M]** ⚠
R451	**ERDS2TJ224T**	**220K 1/4W**	**[M]**
R452	**ERDS2TJ224T**	**220K 1/4W**	**[M]**
R453	**ERDS2TJ821T**	**820 1/4W**	**[M]**
R454	**ERDS2TJ821T**	**820 1/4W**	**[M]**

Ref. No.	Part No.	Part Name & Description	Remarks
R455	**ERDS2TJ563T**	**56K 1/4W**	**[M]**
R456	**ERDS2TJ563T**	**56K 1/4W**	**[M]**
R457	**ERDS2TJ271T**	**270 1/4W**	**[M]**
R458	**ERDS2TJ271T**	**270 1/4W**	**[M]**
R459	**ERDS2TJ680T**	**68 1/4W**	**[M]**
R460	**ERDS2TJ680T**	**68 1/4W**	**[M]**
R461	**ERDS2TJ184T**	**180K 1/4W**	**[M]**
R462	**ERDS2TJ184T**	**180K 1/4W**	**[M]**
R463	**ERDS2TJ123T**	**12K 1/4W**	**[M]**
R464	**ERDS2TJ123T**	**12K 1/4W**	**[M]**
R465	**ERDS2TJ563T**	**56K 1/4W**	**[M]**
R466	**ERDS2TJ563T**	**56K 1/4W**	**[M]**
R467	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R468	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R469	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R470	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R485	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R486	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R534	**ERDS2TJ223T**	**22K 1/4W**	**[M]**
R545	**ERDS2TJ684T**	**680K 1/4W**	**[M]**
R550	**ERDS2TJ822T**	**8.2K 1/4W**	**[M]**
R551	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R552	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R553	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R554	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R555	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R556	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R581	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R582	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R583	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R584	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R585	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R586	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R591	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R592	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R593	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R594	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R595	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R596	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R603	**ERDS2TJ182T**	**1.8K 1/4W**	**[M]**
R604	**ERDS2TJ182T**	**1.8K 1/4W**	**[M]**
R605	**ERDS2TJ221T**	**220 1/4W**	**[M]**
R606	**ERDS2TJ221T**	**220 1/4W**	**[M]**
R607	**ERDS2TJ563T**	**56K 1/4W**	**[M]**
R608	**ERDS2TJ563T**	**56K 1/4W**	**[M]**
R609	**ERDS2TJ470T**	**47 1/4W**	**[M]**
R610	**ERDS2TJ470T**	**47 1/4W**	**[M]**
R611	**ERDS1FVJ100T**	**10 1/2W**	**[M]** ⚠
R612	**ERDS1FVJ100T**	**10 1/2W**	**[M]** ⚠
R613	**ERDS2TJ152T**	**1.5K 1/4W**	**[M]**
R614	**ERDS2TJ152T**	**1.5K 1/4W**	**[M]**
R615	**ERDS2TJ681T**	**680 1/4W**	**[M]**
R616	**ERD25FVJ820T**	**82 1/4W**	**[M]**

Ref. No.	Part No.	Part Name & Description	Remarks
R617	ERD25FVJ820T	82 1/4W	[M]
R618	ERD25FVJ820T	82 1/4W	[M]
R619	ERD25FVJ820T	82 1/4W	[M]
R621	ERDS2TJ682T	6.8K 1/4W	[M]
R622	ERDS2TJ682T	6.8K 1/4W	[M]
R623	ERDS2TJ682T	6.8K 1/4W	[M]
R624	ERD25FVJ4R7T	4.7 1/4W	[M]
R625	ERG1SJ101E	100 1W	[M]
R626	ERG1SJ101E	100 1W	[M]
R627	ERG1SJ101E	100 1W	[M]
R628	ERG1SJ101E	100 1W	[M]
R629	ERDS2TJ102T	1K 1/4W	[M]
R630	ERDS2TJ124T	120K 1/4W	[M]
R631	ERDS2TJ154T	150K 1/4W	[M]
R632	ERDS2TJ184T	180K 1/4W	[M]
R633	ERDS2TJ473T	47K 1/4W	[M]
R634	ERDS2TJ274T	270K 1/4W	[M]
R635	ERDS2TJ154T	150K 1/4W	[M]
R637	ERDS2TJ154T	150K 1/4W	[M]
R638	ERDS2TJ154T	150K 1/4W	[M]
R639	ERDS2TJ104T	100K 1/4W	[M]
R640	ERDS2TJ681T	680 1/4W	[M]
R641	ERDS2TJ104T	100K 1/4W	[M]
R642	ERDS2TJ182T	1.8K 1/4W	[M]
R643	ERDS2TJ563T	56K 1/4W	[M]
R644	ERDS1FVJ100T	10 1/2W	[M] ⚠
R645	ERDS2TJ470T	47 1/4W	[M]
R647	ERDS2TJ221T	220 1/4W	[M]
R653	ERDS2TJ182T	1.8K 1/4W	[M]
R654	ERDS2TJ182T	1.8K 1/4W	[M]
R655	ERDS2TJ221T	220 1/4W	[M]
R656	ERDS2TJ221T	220 1/4W	[M]
R657	ERDS2TJ563T	56K 1/4W	[M]
R658	ERDS2TJ563T	56K 1/4W	[M]
R661	ERDS1FVJ100T	10 1/2W	[M] ⚠
R662	ERDS1FVJ100T	10 1/2W	[M] ⚠
R663	ERDS2TJ470T	47 1/4W	[M]
R664	ERDS2TJ470T	47 1/4W	[M]
R674	ERD25FVJ4R7T	4.7 1/4W	[M]
R675	ERDS2TJ152T	1.5K 1/4W	[M]
R676	ERDS2TJ152T	1.5K 1/4W	[M]
R677	ERDS2TJ152T	1.5K 1/4W	[M]
R678	ERDS2TJ152T	1.5K 1/4W	[M]
R679	ERDS2TJ102T	1K 1/4W	[M]
R681	ERDS2TJ184T	180K 1/4W	[M]
R682	ERDS2TJ224T	220K 1/4W	[M]
R683	ERDS2TJ473T	47K 1/4W	[M]
R684	ERDS2TJ274T	270K 1/4W	[M]
R685	ERDS2TJ154T	150K 1/4W	[M]
R687	ERDS2TJ154T	150K 1/4W	[M]
R688	ERDS2TJ154T	150K 1/4W	[M]
R692	ERDS2TJ182T	1.8K 1/4W	[M]
R693	ERDS2TJ563T	56K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R694	**ERDS2TJ221T**	**220 1/4W**	**[M]**
R695	**ERDS2TJ124T**	**120K 1/4W**	**[M]**
R696	**ERDS2TJ470T**	**47 1/4W**	**[M]**
R697	**ERDS1FVJ100T**	**10 1/2W**	**[M]** ⚠
R698	**ERDS2TJ152T**	**1.5K 1/4W**	**[M]**
R699	**ERDS2TJ152T**	**1.5K 1/4W**	**[M]**
R705	**ERDS2TJ472T**	**4.7K 1/4W**	**[M]**
R706	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R707	**ERD25FVJ221T**	**220 1/4W**	**[M]**
R708	**ERDS2TJ152T**	**1.5K 1/4W**	**[M]**
R711	**ERDS2TJ752T**	**7.5K 1/4W**	**[M]**
R712	**ERDS2TJ682T**	**6.8K 1/4W**	**[M]**
R713	**ERDS2TJ390T**	**39 1/4W**	**[M]**
R714	**ERDS2TJ390T**	**39 1/4W**	**[M]**
R718	**ERDS2TJ333T**	**33K 1/4W**	**[M]**
R719	**ERDS2TJ333T**	**33K 1/4W**	**[M]**
R720	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R721	**ERDS1FVJ221T**	**220 1/2W**	**[M]** ⚠
R722	**ERDS2TJ123T**	**12K 1/4W**	**[M]**
R723	**ERDS1FVJ1R2T**	**1.2 1/2W**	**[M]** ⚠
R724	**ERDS1FVJ1R2T**	**1.2 1/2W**	**[M]** ⚠
R725	**ERDS2TJ152T**	**1.5K 1/4W**	**[M]**
R726	**ERD25FVJ151T**	**150 1/4W**	**[M]**
R728	**ERDS2TJ684T**	**680K 1/4W**	**[M]**
R729	**ERDS2TJ684T**	**680K 1/4W**	**[M]**
R730	**ERDS1FVJ8R2T**	**8.2 1/2W**	**[M]** ⚠
R755	**ERDS2TJ222T**	**2.2K 1/4W**	**[M]**
R766	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R767	**ERDS2TJ154T**	**150K 1/4W**	**[M]**
R768	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R769	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R770	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R771	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R773	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R774	**ERDS2TJ155T**	**1.5M 1/4W**	**[M]**
R775	**ERDS2TJ331T**	**330 1/4W**	**[M]**
R776	**ERDS1FVJ220T**	**22 1/2W**	**[M]** ⚠
R777	**ERDS2TJ154T**	**150K 1/4W**	**[M]**
R778	**ERDS2TJ472T**	**4.7K 1/4W**	**[M]**
R779	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R780	**ERDS1FVJ3R9T**	**3.9 1/2W**	**[M]** ⚠
R782	**ERDS2TJ390T**	**39 1/4W**	**[M]**
R784	**ERDS2TJ154T**	**150K 1/4W**	**[M]**
R786	**ERDS2TJ154T**	**150K 1/4W**	**[M]**
R791	**ERDS2TJ123T**	**12K 1/4W**	**[M]**
R792	**ERDS2TJ123T**	**12K 1/4W**	**[M]**
R793	**ERDS2TJ123T**	**12K 1/4W**	**[M]**
R794	**ERDS2TJ123T**	**12K 1/4W**	**[M]**
R795	**ERDS2TJ123T**	**12K 1/4W**	**[M]**
R796	**ERDS2TJ123T**	**12K 1/4W**	**[M]**
R797	**ERDS2TJ123T**	**12K 1/4W**	**[M]**
R798	**ERDS2TJ123T**	**12K 1/4W**	**[M]**

[illegible]	[illegible]	12K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R799	ERDS2TJ682T	6.8K 1/4W	[M]
R901	ERDS2TJ102T	1K 1/4W	[M]
R902	ERDS2TJ472T	4.7K 1/4W	[M]
R903	ERDS2TJ103T	10K 1/4W	[M]
R904	ERDS2TJ102T	1K 1/4W	[M]
R905	ERDS2TJ104T	100K 1/4W	[M]
R906	ERDS2TJ271T	270 1/4W	[M]
R907	ERDS2TJ121T	120 1/4W	[M]
R908	ERDS2TJ223T	22K 1/4W	[M]
R909	ERDS2TJ223T	22K 1/4W	[M]
R910	ERDS2TJ222T	2.2K 1/4W	[M]
R911	ERDS2TJ222T	2.2K 1/4W	[M]
R912	ERDS2TJ104T	100K 1/4W	[M]
R913	ERDS2TJ473T	47K 1/4W	[M]
R914	ERDS2TJ102T	1K 1/4W	[M]
R915	ERDS2TJ101T	100 1/4W	[M]
R916	ERDS2TJ101T	100 1/4W	[M]
R917	ERDS2TJ102T	1K 1/4W	[M]
R918	ERDS2TJ103T	10K 1/4W	[M]
R919	ERDS2TJ103T	10K 1/4W	[M]
R920	ERDS2TJ103T	10K 1/4W	[M]
R921	ERDS2TJ472T	4.7K 1/4W	[M]
R922	ERDS2TJ104T	100K 1/4W	[M]
R923	ERDS2TJ103T	10K 1/4W	[M]
R924	ERDS2TJ103T	10K 1/4W	[M]
R925	ERDS2TJ181T	180 1/4W	[M]
R926	ERDS2TJ181T	180 1/4W	[M]
R927	ERDS2TJ101T	100 1/4W	[M]
R928	ERDS2TJ101T	100 1/4W	[M]
R931	ERDS2TJ271T	270 1/4W	[M]
R932	ERDS2TJ271T	270 1/4W	[M]
R933	ERDS2TJ271T	270 1/4W	[M]
R934	ERDS2TJ271T	270 1/4W	[M]
R935	ERDS2TJ271T	270 1/4W	[M]
R936	ERDS2TJ271T	270 1/4W	[M]
R937	ERDS2TJ271T	270 1/4W	[M]
R938	ERDS2TJ151T	150 1/4W	[M]
R939	ERDS2TJ151T	150 1/4W	[M]
R946	ERDS2TJ151T	150 1/4W	[M]
R947	ERDS2TJ473T	47K 1/4W	[M]
R948	ERDS2TJ473T	47K 1/4W	[M]
R949	ERDS2TJ473T	47K 1/4W	[M]
R950	ERDS2TJ102T	1K 1/4W	[M]
R951	ERDS2TJ222T	2.2K 1/4W	[M]
R952	ERDS2TJ152T	1.5K 1/4W	[M]
R953	ERDS2TJ182T	1.8K 1/4W	[M]
R954	ERDS2TJ222T	2.2K 1/4W	[M]
R955	ERDS2TJ332T	3.3K 1/4W	[M]
R956	ERDS2TJ472T	4.7K 1/4W	[M]
R957	ERDS2TJ682T	6.8K 1/4W	[M]
R958	ERDS2TJ123T	12K 1/4W	[M]
R960	ERDS2TJ102T	1K 1/4W	[M]
R961	ERDS2TJ122T	1.2K 1/4W	[M]
R962	ERDS2TJ152T	1.5K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R963	**ERDS2TJ182T**	**1.8K 1/4W**	**[M]**
R964	**ERDS2TJ222T**	**2.2K 1/4W**	**[M]**
R965	**ERDS2TJ332T**	**3.3K 1/4W**	**[M]**
R966	**ERDS2TJ472T**	**4.7K 1/4W**	**[M]**
R967	**ERDS2TJ682T**	**6.8K 1/4W**	**[M]**
R968	**ERDS2TJ123T**	**12K 1/4W**	**[M]**
R971	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R972	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R973	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R974	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R975	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R976	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R981	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R982	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R983	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R991	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R992	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R993	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R994	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R995	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R996	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R1001	**ERJ3GEYJ183V**	**18K 1/16W**	**[M]**
R1015	**ERJ3GEYJ4R7V**	**4.7 1/16W**	**[M]**
R1016	**ERJ3GEYJ4R7V**	**4.7 1/16W**	**[M]**
R1017	**ERJ3GEYJ4R7V**	**4.7 1/16W**	**[M]**
R1023	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1024	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1026	**ERJ3GEYJ330V**	**33 1/16W**	**[M]**
R1030	**ERJ3GEYJ105V**	**1M 1/16W**	**[M]**
R1031	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1032	**ERJ3GEYJ330V**	**33 1/16W**	**[M]**
R1101	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1102	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1103	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1104	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1105	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1106	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1107	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1108	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1110	**ERJ3GEYJ332V**	**3.3K 1/16W**	**[M]**
R1111	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1112	**ERJ3GEYJ472V**	**4.7K 1/16W**	**[M]**
R1113	**ERJ3GEYJ332V**	**3.3K 1/16W**	**[M]**
R1114	**ERJ3GEYJ332V**	**3.3K 1/16W**	**[M]**
R1115	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1116	**ERJ3GEYJ472V**	**4.7K 1/16W**	**[M]**
R1117	**ERJ3GEYJ333V**	**33K 1/16W**	**[M]**
R1118	**ERJ3GEYJ472V**	**4.7K 1/16W**	**[M]**
R1119	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1120	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1121	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1122	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1123	**ERJ3GEYJ104V**	**100K 1/16W**	**[M]**
R1124	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**

Ref. No.	Part No.	Part Name & Description	Remarks
R1125	ERJ3GEYJ104V	100K 1/16W	[M]
R1126	ERJ3GEYJ102V	1K 1/16W	[M]
R1135	ERJ3GEYJ103V	10K 1/16W	[M]
R1136	ERJ3GEYJ103V	10K 1/16W	[M]
R1137	ERJ3GEYJ103V	10K 1/16W	[M]
R1138	ERJ3GEYJ103V	10K 1/16W	[M]
R1139	ERJ3GEYJ103V	10K 1/16W	[M]
R1201	ERJ3GEYJ102V	1K 1/16W	[M]
R1202	ERJ3GEYJ473V	47K 1/16W	[M]
R1203	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1204	ERJ3GEYJ183V	18K 1/16W	[M]
R1205	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1206	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1207	ERJ3GEYJ102V	1K 1/16W	[M]
R1209	ERJ3GEYJ181V	180 1/16W	[M]
R1210	ERJ3GEYJ181V	180 1/16W	[M]
R1211	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1212	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1213	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1214	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1215	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1216	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1217	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1218	ERJ3GEYJ473V	47K 1/16W	[M]
R1219	ERJ3GEYJ473V	47K 1/16W	[M]
R1220	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1221	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1222	ERJ3GEYJ181V	180 1/16W	[M]
R1223	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1224	ERJ3GEYJ181V	180 1/16W	[M]
R1225	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1226	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1231	ERJ3GEYJ473V	47K 1/16W	[M]
R1232	ERJ3GEYJ473V	47K 1/16W	[M]
R1233	ERJ3GEYJ473V	47K 1/16W	[M]
R1234	ERJ3GEYJ392V	3.9K 1/16W	[M]
R1235	ERJ3GEYJ102V	1K 1/16W	[M]
R1236	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1237	ERJ3GEYJ101V	100 1/16W	[M]
R1238	ERJ3GEYJ183V	18K 1/16W	[M]
R1239	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1240	ERJ3GEYJ102V	1K 1/16W	[M]
R1241	ERJ3GEYJ102V	1K 1/16W	[M]
R1242	ERJ3GEYJ183V	18K 1/16W	[M]
R1243	ERJ3GEYJ183V	18K 1/16W	[M]
R1244	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1245	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1246	ERJ3GEYJ102V	1K 1/16W	[M]
R1247	ERJ3GEYJ681V	680 1/16W	[M]
R1248	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1249	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1250	ERJ3GEYJ473V	47K 1/16W	[M]
R1251	ERJ3GEYJ104V	100K 1/16W	[M]
R1252	ERJ3GEYJ104V	100K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1253	**ERJ3GEYJ182V**	**1.8K 1/16W**	**[M]**
R1254	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1255	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1256	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1303	**ERJ3GEYJ471V**	**470 1/16W**	**[M]**
R1306	**ERJ3GEYJ471V**	**470 1/16W**	**[M]**
R1308	**ERJ3GEYJ750V**	**75 1/16W**	**[M]**
R1309	**ERJ3GEYJ100V**	**10 1/16W**	**[M]**
R1312	**ERJ3GEYJ471V**	**470 1/16W**	**[M]**
R1341	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1342	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1343	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1344	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1345	**ERJ3GEYJ104V**	**100K 1/16W**	**[M]**
R1346	**ERJ3GEYJ104V**	**100K 1/16W**	**[M]**
R1347	**ERJ3GEYJ104V**	**100K 1/16W**	**[M]**
R1348	**ERJ3GEYJ104V**	**100K 1/16W**	**[M]**
R1349	**ERJ3GEYJ473V**	**47K 1/16W**	**[M]**
R1350	**ERJ3GEYJ473V**	**47K 1/16W**	**[M]**
R1351	**ERJ3GEYJ473V**	**47K 1/16W**	**[M]**
R1352	**ERJ3GEYJ473V**	**47K 1/16W**	**[M]**
R1353	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1354	**ERJ3GEYJ152V**	**1.5K 1/16W**	**[M]**
R1355	**ERJ3GEYJ392V**	**3.9K 1/16W**	**[M]**
R1356	**ERJ3GEYJ682V**	**6.8K 1/16W**	**[M]**
R1357	**ERJ3GEYJ682V**	**6.8K 1/16W**	**[M]**
R1358	**ERJ3GEYJ152V**	**1.5K 1/16W**	**[M]**
R1359	**ERJ3GEYJ152V**	**1.5K 1/16W**	**[M]**
R1360	**ERJ3GEYJ682V**	**6.8K 1/16W**	**[M]**
R1361	**ERJ3GEYJ682V**	**6.8K 1/16W**	**[M]**
R1362	**ERJ3GEYJ473V**	**47K 1/16W**	**[M]**
R1363	**ERJ3GEYJ222V**	**2.2K 1/16W**	**[M]**
R1364	**ERJ3GEYJ183V**	**18K 1/16W**	**[M]**
R1365	**ERJ3GEYJ682V**	**6.8K 1/16W**	**[M]**
R1366	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1367	**ERJ3GEYJ104V**	**100K 1/16W**	**[M]**
R1368	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1369	**ERJ3GEYJ183V**	**18K 1/16W**	**[M]**
R1370	**ERJ3GEYJ472V**	**4.7K 1/16W**	**[M]**
R1371	**ERJ3GEYJ183V**	**18K 1/16W**	**[M]**
R1372	**ERJ3GEYJ472V**	**4.7K 1/16W**	**[M]**
R1373	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1380	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1381	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1402	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1403	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1404	**ERJ3GEYJ473V**	**47K 1/16W**	**[M]**
R1405	**ERJ3GEYJ473V**	**47K 1/16W**	**[M]**
R1406	**ERJ3GEYJ473V**	**47K 1/16W**	**[M]**
R1407	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1408	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1409	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1410	**ERJ3GEYJ473V**	**47K 1/16W**	**[M]**
R1411	**ERJ3GEYJ473V**	**47K 1/16W**	**[M]**

Ref. No.	Part No.	Part Name & Description	Remarks
R1412	ERJ3GEYJ473V	47K 1/16W	[M]
R1413	ERJ3GEYJ102V	1K 1/16W	[M]
R1414	ERJ3GEYJ102V	1K 1/16W	[M]
R1415	ERJ3GEYJ102V	1K 1/16W	[M]
R1451	ERJ3GEYJ473V	47K 1/16W	[M]
R1452	ERJ3GEYJ473V	47K 1/16W	[M]
R1453	ERJ3GEYJ101V	100 1/16W	[M]
R1454	ERJ3GEYJ101V	100 1/16W	[M]
R1455	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1456	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1457	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1458	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1459	ERJ3GEYJ473V	47K 1/16W	[M]
R1460	ERJ3GEYJ473V	47K 1/16W	[M]
R1461	ERJ3GEYJ392V	3.9K 1/16W	[M]
R1462	ERJ3GEYJ392V	3.9K 1/16W	[M]
R1463	ERJ3GEYJ102V	1K 1/16W	[M]
R1464	ERJ3GEYJ102V	1K 1/16W	[M]
R1465	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1466	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1467	ERJ3GEYJ104V	100K 1/16W	[M]
R1468	ERJ3GEYJ104V	100K 1/16W	[M]
R1469	ERJ3GEYJ104V	100K 1/16W	[M]
R1470	ERJ3GEYJ104V	100K 1/16W	[M]
R1471	ERJ3GEYJ102V	1K 1/16W	[M]
R1472	ERJ3GEYJ102V	1K 1/16W	[M]
R1473	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1474	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1521	ERJ3GEYJ104V	100K 1/16W	[M]
R1522	ERJ3GEYJ104V	100K 1/16W	[M]
R1523	ERJ3GEYJ103V	10K 1/16W	[M]
R1525	ERJ3GEYJ103V	10K 1/16W	[M]
R1526	ERJ3GEYJ562V	5.6K 1/16W	[M]
R1527	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1528	ERJ3GEYJ562V	5.6K 1/16W	[M]
R1529	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1542	ERJ3GEYJ102V	1K 1/16W	[M]
R1543	ERJ3GEYJ102V	1K 1/16W	[M]
R1544	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1545	ERJ3GEYJ684V	680K 1/16W	[M]
R1546	ERJ3GEYJ561V	560 1/16W	[M]
R1547	ERJ3GEYJ561V	560 1/16W	[M]
R1601	ERJ3GEYJ223V	22K 1/16W	[M]
R1602	ERJ3GEYJ684V	680K 1/16W	[M]
R1603	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1604	ERJ3GEYJ102V	1K 1/16W	[M]
R1605	ERJ3GEYJ473V	47K 1/16W	[M]
R1606	ERJ3GEYJ272V	2.7K 1/16W	[M]
R1607	ERJ3GEYJ102V	1K 1/16W	[M]
R1608	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1609	ERJ3GEYJ684V	680K 1/16W	[M]
R1610	ERJ3GEYJ103V	10K 1/16W	[M]
R1681	ERDS2TJ270T	27 1/4W	[M]
R1682	ERDS2TJ270T	27 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1683	ERDS2TJ270T	27 1/4W	[M]
R1684	ERDS2TJ270T	27 1/4W	[M]
R1685	ERDS2TJ270T	27 1/4W	[M]
R1686	ERDS2TJ270T	27 1/4W	[M]
R1687	ERDS2TJ270T	27 1/4W	[M]
R1688	ERDS2TJ270T	27 1/4W	[M]
R1689	ERDS2TJ270T	27 1/4W	[M]
R1690	ERDS2TJ270T	27 1/4W	[M]
R1691	ERDS2TJ270T	27 1/4W	[M]
R1692	ERDS2TJ270T	27 1/4W	[M]
R1693	ERDS2TJ270T	27 1/4W	[M]
R1694	ERDS2TJ270T	27 1/4W	[M]
R1695	ERDS2TJ102T	1K 1/4W	[M]
R1696	ERDS2TJ102T	1K 1/4W	[M]
R1699	ERDS2TJ332T	3.3K 1/4W	[M]
R1701	ERDS1FVJ4R7T	4.7 1/2W	[M] ⚠
R1702	ERDS1FVJ4R7T	4.7 1/2W	[M] ⚠
R1703	ERJ3GEYJ272V	2.7K 1/16W	[M]
R1704	ERJ3GEYJ821V	820 1/16W	[M]
R1705	ERJ3GEYJ331V	330 1/16W	[M]
R1706	ERJ3GEYJ331V	330 1/16W	[M]
R1916	ERJ3GEYJ101V	100 1/16W	[M]
R1928	ERJ3GEYJ101V	100 1/16W	[M]
R1929	ERJ3GEYJ101V	100 1/16W	[M]
R1931	ERJ3GEYJ101V	100 1/16W	[M]
R1932	ERJ3GEYJ101V	100 1/16W	[M]
R1933	ERJ3GEYJ101V	100 1/16W	[M]
R1942	ERJ3GEYJ101V	100 1/16W	[M]
R1943	ERJ3GEYJ101V	100 1/16W	[M]
R1945	ERJ3GEYJ101V	100 1/16W	[M]
R1946	ERJ3GEYJ101V	100 1/16W	[M]
R1947	ERJ3GEYJ101V	100 1/16W	[M]
R1948	ERJ3GEYJ101V	100 1/16W	[M]
R1950	ERJ3GEYJ102V	1K 1/16W	[M]
R1952	ERJ3GEYJ102V	1K 1/16W	[M]
		CAPACITORS	
C301	ECA1CAK470XB	47 16V	[M]
C302	F1D1H223A012	0.022 50V	[M]
C303	ECA1CAK470XB	47 16V	[M]
C304	F1D1H223A012	0.022 50V	[M]
C305	F1D1H470A006	47P 50V	[M]
C306	F1D1H470A006	47P 50V	[M]
C307	ECA1CAK470XB	47 16V	[M]
C308	F1D1H223A012	0.022 50V	[M]
C309	F1D1H470A006	47P 50V	[M]
C310	F1D1H470A006	47P 50V	[M]
C311	F1D1H1040002	0.1 50V	[M]
C312	F1D1H1040002	0.1 50V	[M]
C313	F1D1H1040002	0.1 50V	[M]
C314	F1D1H1040002	0.1 50V	[M]
C315	ECA0JAK101XB	100 6.3V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C316	ECA0JAK101XB	100 6.3V	[M]
C351	ECBT1H103KB5	0.01 50V	[M]
C352	ECBT1H103KB5	0.01 50V	[M]
C370	ECA1CAK470XB	47 16V	[M]
C371	ECA1CAK470XB	47 16V	[M]
C372	ECA1CAK470XB	47 16V	[M]
C373	F1D1H470A006	47P 50V	[M]
C374	F1D1H470A006	47P 50V	[M]
C382	F1D1H1040002	0.1 50V	[M]
C386	F1D1H1040002	0.1 50V	[M]
C387	ECA0JAK101XB	100 6.3V	[M]
C388	ECA0JAK101XB	100 6.3V	[M]
C389	ECBT1H103KB5	0.01 50V	[M]
C390	ECA0JAK101XB	100 6.3V	[M]
C391	ECA0JAK101XB	100 6.3V	[M]
C392	ECBT1H103KB5	0.01 50V	[M]
C393	ECA1CAK470XB	47 16V	[M]
C401	ECA1HAK4R7XB	4.7 50V	[M]
C402	ECA1HAK4R7XB	4.7 50V	[M]
C403	ECBT1H103KB5	0.01 50V	[M]
C404	ECBT1H103KB5	0.01 50V	[M]
C405	F1D1H101A012	100P 50V	[M]
C409	ECA1CAK220XB	22 16V	[M]
C410	ECA1CAK220XB	22 16V	[M]
C411	F1D1H101A012	100P 50V	[M]
C412	F1D1H101A012	100P 50V	[M]
C413	ECA1CAK100XB	10 16V	[M]
C414	ECA1CAK100XB	10 16V	[M]
C415	ECBT1H103KB5	0.01 50V	[M]
C416	ECBT1H103KB5	0.01 50V	[M]
C417	ECA1CAK100XB	10 16V	[M]
C418	ECA1CAK100XB	10 16V	[M]
C421	F1D1H101A012	100P 50V	[M]
C422	F1D1H101A012	100P 50V	[M]
C423	F1D1H101A012	100P 50V	[M]
C424	F1D1H101A012	100P 50V	[M]
C425	F1D1H331A012	330P 50V	[M]
C426	F1D1H331A012	330P 50V	[M]
C427	F1D1H331A012	330P 50V	[M]
C428	F1D1H331A012	330P 50V	[M]
C429	F1D1H101A012	100P 50V	[M]
C430	F1D1H101A012	100P 50V	[M]
C431	F1D1H101A012	100P 50V	[M]
C432	F1D1H101A012	100P 50V	[M]
C433	F1D1H101A012	100P 50V	[M]
C434	F1D1H101A012	100P 50V	[M]
C435	F1D1H1040002	0.1 50V	[M]
C441	F1D1H101A012	100P 50V	[M]
C442	F1D1H101A012	100P 50V	[M]
C443	ECBT1H103KB5	0.01 50V	[M]
C451	ECA1HAK4R7XB	4.7 50V	[M]
C452	ECA1HAK4R7XB	4.7 50V	[M]
C453	F1D1H101A012	100P 50V	[M]
C454	F1D1H101A012	100P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C455	**F1D1H102A012**	**1000P 50V**	**[M]**
C456	**F1D1H102A012**	**1000P 50V**	**[M]**
C457	**ECA1AAK330XB**	**33 10V**	**[M]**
C458	**ECA1AAK330XB**	**33 10V**	**[M]**
C459	**ECFR1E223KR**	**0.022 25V**	**[M]**
C460	**ECFR1E223KR**	**0.022 25V**	**[M]**
C461	**ECFR1E682KR**	**6800P 25V**	**[M]**
C462	**ECFR1E682KR**	**6800P 25V**	**[M]**
C463	**ECA1HAK4R7XB**	**4.7 50V**	**[M]**
C464	**ECA1HAK4R7XB**	**4.7 50V**	**[M]**
C465	**ECBT1H103KB5**	**0.01 50V**	**[M]**
C466	**ECBT1H103KB5**	**0.01 50V**	**[M]**
C467	**ECBT1H103KB5**	**0.01 50V**	**[M]**
C482	**ECA1HAK3R3XB**	**3.3 50V**	**[M]**
C483	**F1D1H101A012**	**100P 50V**	**[M]**
C489	**ECA1CAK330XB**	**33 16V**	**[M]**
C490	**ECA1CAK330XB**	**33 16V**	**[M]**
C499	**F1D1H102A012**	**1000P 50V**	**[M]**
C535	**F1D1H1040002**	**0.1 50V**	**[M]**
C583	**ECA1CAK100XB**	**10 16V**	**[M]**
C584	**ECA1CAK100XB**	**10 16V**	**[M]**
C585	**ECA1CAK100XB**	**10 16V**	**[M]**
C586	**ECA1CAK100XB**	**10 16V**	**[M]**
C601	**ECA1JAM330XB**	**33 63V**	**[M]**
C602	**ECA1JAM330XB**	**33 63V**	**[M]**
C603	**F1D1H101A012**	**100P 50V**	**[M]**
C604	**F1D1H101A012**	**100P 50V**	**[M]**
C607	**ECCR1H180KC5**	**18P 50V**	**[M]**
C608	**ECCR1H180KC5**	**18P 50V**	**[M]**
C611	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C612	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C613	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C614	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C615	**ECBT1H103KB5**	**0.01 50V**	**[M]**
C616	**ECA1HAM470XB**	**47 50V**	**[M]**
C617	**ECEA2AN2R2SB**	**2.2 100V**	**[M]**
C618	**F1D1H102A012**	**1000P 50V**	**[M]**
C621	**ECA2AAM330XB**	**33 100V**	**[M]**
C622	**ECA2AAM330XB**	**33 100V**	**[M]**
C625	**ECEA1HN220UB**	**22 50V**	**[M]**
C626	**ECEA1HN220UB**	**22 50V**	**[M]**
C631	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C632	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C635	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C636	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C637	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C638	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C639	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C640	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C641	**ECA1JAM330XB**	**33 63V**	**[M]**
C642	**F1D1H101A012**	**100P 50V**	**[M]**
C643	**ECCR1H180KC5**	**18P 50V**	**[M]**
C644	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C645	**ECQV1H104JZ3**	**0.1 50V**	**[M]**

Ref. No.	Part No.	Part Name & Description	Remarks
C651	ECA1JAM330XB	33 63V	[M]
C652	ECA1JAM330XB	33 63V	[M]
C653	F1D1H821A012	820P 50V	[M]
C654	F1D1H821A012	820P 50V	[M]
C657	ECCR1H180KC5	18P 50V	[M]
C658	ECCR1H180KC5	18P 50V	[M]
C661	ECQV1H104JZ3	0.1 50V	[M]
C662	ECQV1H104JZ3	0.1 50V	[M]
C663	ECQV1H104JZ3	0.1 50V	[M]
C664	ECQV1H104JZ3	0.1 50V	[M]
C666	ECA1HAM470XB	47 50V	[M]
C667	ECEA2AN2R2SB	2.2 100V	[M]
C668	F1D1H102A012	1000P 50V	[M]
C672	ECA2AAM330XB	33 100V	[M]
C685	ECBT1H103KB5	0.01 50V	[M]
C692	ECA1JAM330XB	33 63V	[M]
C693	ECCR1H180KC5	18P 50V	[M]
C694	F1D1H821A012	820P 50V	[M]
C695	ECQV1H104JZ3	0.1 50V	[M]
C696	ECQV1H104JZ3	0.1 50V	[M]
C701	ECBT1H103KB5	0.01 50V	[M]
C702	ECQE2104KF3	0.1 250V	[M]
C703	RCE1J472MHSK	4700P 63V	[M] ⚠
C704	RCE1J472MHSK	4700P 63V	[M] ⚠
C705	ECES1VV472U	4700 35V	[M] ⚠
C706	ECES1VV472U	4700 35V	[M] ⚠
C707	ECA1VAM101XB	100 35V	[M]
C708	ECBT1H103KB5	0.01 50V	[M]
C709	ECA1CAK330XB	33 16V	[M]
C710	ECBT1H103KB5	0.01 50V	[M]
C711	ECBT1H103KB5	0.01 50V	[M]
C712	ECA1HAK100XB	10 50V	[M]
C713	ECBT1H103KB5	0.01 50V	[M]
C714	ECA1EAK470XB	47 25V	[M]
C715	ECA1CAK101XB	100 16V	[M]
C721	ECQE2104KF3	0.1 250V	[M]
C722	ECQE2104KF3	0.1 250V	[M]
C741	ECQV1H104JZ3	0.1 50V	[M]
C751	ECKWRS102MBC	1000P 400V	[M] ⚠
C752	ECKR1H103ZF5	0.01 50V	[M]
C753	ECA1EAM331XB	330 25V	[M]
C754	ECBT1H103KB5	0.01 50V	[M]
C755	ECA1CAK470XB	47 16V	[M]
C757	ECA1CAK100XB	10 16V	[M]
C758	ECA1CAK101XB	100 16V	[M]
C771	ECA1HAK4R7XB	4.7 50V	[M]
C772	ECA1HAK4R7XB	4.7 50V	[M]
C773	F1D1H1040002	0.1 50V	[M]
C774	ECA0JAK101XB	100 6.3V	[M]
C775	ECA1CAK100XB	10 16V	[M]
C776	ECA1HAK010XB	1 50V	[M]
C777	ECA1CAM221XB	220 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C778	ECA1CAK101XB	100 16V	[M]
C779	ECA1CAK101XB	100 16V	[M]
C780	ECA1CAM471XB	470 16V	[M]
C781	ECBT1H103KB5	0.01 50V	[M]
C901	ECA0JAM102XB	1000 6.3V	[M] ⚠
C902	F1D1H1040002	0.1 50V	[M]
C903	ECBT1H103KB5	0.01 50V	[M]
C904	ECA0JAM102XB	1000 6.3V	[M] ⚠
C905	ECA1HAK010XB	1 50V	[M]
C906	ECA1HAK010XB	1 50V	[M]
C907	ECBT1H103KB5	0.01 50V	[M]
C908	ECBT1H103KB5	0.01 50V	[M]
C909	ECA1HAK100XB	10 50V	[M]
C910	ECA1HAK100XB	10 50V	[M]
C913	ECA1HAK100XB	10 50V	[M]
C914	ECA1HAK100XB	10 50V	[M]
C915	ECA0JAK101XB	100 6.3V	[M]
C916	ECBT1H103KB5	0.01 50V	[M]
C917	ECA1CAK100XB	10 16V	[M]
C918	F1D1H471A012	470P 50V	[M]
C919	F1D1H471A012	470P 50V	[M]
C921	F1D1H331A012	330P 50V	[M]
C922	F1D1H331A012	330P 50V	[M]
C923	F1D1H331A012	330P 50V	[M]
C924	F1D1H331A012	330P 50V	[M]
C925	F1D1H331A012	330P 50V	[M]
C926	F1D1H331A012	330P 50V	[M]
C927	F1D1H331A012	330P 50V	[M]
C928	F1D1H331A012	330P 50V	[M]
C929	F1D1H331A012	330P 50V	[M]
C930	F1D1H331A012	330P 50V	[M]
C931	ECBT1H103KB5	0.01 50V	[M]
C932	ECBT1H103KB5	0.01 50V	[M]
C970	F1D1H102A012	1000P 50V	[M]
C971	ECA0JAK101XB	100 6.3V	[M]
C972	F1D1H470A006	47P 50V	[M]
C973	F1D1H470A006	47P 50V	[M]
C974	F1D1H561A012	560P 50V	[M]
C975	F1D1H331A012	330P 50V	[M]
C976	ECA1CAK100XB	10 16V	[M]
C977	ECBT1H103KB5	0.01 50V	[M]
C978	ECA0JAK101XB	100 6.3V	[M]
C991	F1D1H101A012	100P 50V	[M]
C992	F1D1H101A012	100P 50V	[M]
C993	F1D1H101A012	100P 50V	[M]
C994	F1D1H101A012	100P 50V	[M]
C995	F1D1H101A012	100P 50V	[M]
C996	F1D1H101A012	100P 50V	[M]
C1011	ECUVNC104ZFV	0.1 16V	[M]
C1012	ECA0JAK101XB	100 6.3V	[M]
C1013	ECJ1VB1H102K	1000P 50V	[M]
C1014	ECUVNC104ZFV	0.1 16V	[M]
C1015	ECA0JAK101XB	100 6.3V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1021	ECUVNC104ZFV	0.1 16V	[M]
C1022	ECA0JAK101XB	100 6.3V	[M]
C1024	ECUVNC104ZFV	0.1 16V	[M]
C1025	ECA1HAK2R2XB	2.2 50V	[M]
C1027	ECUVNC104ZFV	0.1 16V	[M]
C1032	ECUVNC104ZFV	0.1 16V	[M]
C1033	ECUV1H220JCV	22P 50V	[M]
C1035	ECUV1H220JCV	22P 50V	[M]
C1039	ECJ1VC1H101K	100P 50V	[M]
C1041	ECUVNC104ZFV	0.1 16V	[M]
C1045	ECA0JAK101XB	100 6.3V	[M]
C1101	ECA0JAK101XB	100 6.3V	[M]
C1102	ECUVNC104ZFV	0.1 16V	[M]
C1103	ECA0JAK101XB	100 6.3V	[M]
C1104	ECA0JAK101XB	100 6.3V	[M]
C1105	ECUVNC104ZFV	0.1 16V	[M]
C1106	ECUVNC104ZFV	0.1 16V	[M]
C1107	ECUV1H471KBV	470P 50V	[M]
C1108	ECUV1H103KBV	0.01 50V	[M]
C1109	ECA1HAK2R2XB	2.2 50V	[M]
C1110	ECA0JAK101XB	100 6.3V	[M]
C1111	ECUVNC104ZFV	0.1 16V	[M]
C1112	ECJ1VC1H101K	100P 50V	[M]
C1113	ECJ1VC1H101K	100P 50V	[M]
C1114	ECJ1VB1H102K	100P 50V	[M]
C1115	ECJ1VB1H102K	100P 50V	[M]
C1116	ECUVNC104ZFV	0.1 16V	[M]
C1117	ECA0JAK101XB	100 6.3V	[M]
C1118	ECUVNC104ZFV	0.1 16V	[M]
C1119	ECA0JAK101XB	100 6.3V	[M]
C1120	ECUVNC104ZFV	0.1 16V	[M]
C1121	ECA1APX101B	100 10V	[M]
C1122	ECUVNC104ZFV	0.1 16V	[M]
C1123	ECUVNC104ZFV	0.1 16V	[M]
C1124	ECUVNC104ZFV	0.1 16V	[M]
C1125	ECA0JAK101XB	100 6.3V	[M]
C1126	ECUVNC104ZFV	0.1 16V	[M]
C1127	ECA0JAK101XB	100 6.3V	[M]
C1201	ECUV1H103KBV	0.01 50V	[M]
C1202	ECUV1A224KBV	0.22 10V	[M]
C1203	ECUVNC104ZFV	0.1 16V	[M]
C1204	ECA1HAK100XB	10 50V	[M]
C1205	ECA1CAK330XB	33 16V	[M]
C1206	ECUV1H103KBV	0.01 50V	[M]
C1211	ECUV1H103KBV	0.01 50V	[M]
C1212	ECA1EAK100XB	10 25V	[M]
C1213	ECUV1H471KBV	470P 50V	[M]
C1214	ECUV1H471KBV	470P 50V	[M]
C1215	ECUV1H221KBV	220P 50V	[M]
C1216	ECUV1H221KBV	220P 50V	[M]
C1217	ECA1HAK100XB	10 50V	[M]
C1218	ECA1HAK100XB	10 50V	[M]
C1219	ECUV1H103KBV	0.01 50V	[M]
C1220	ECUV1H103KBV	0.01 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1221	ECA1HAK100XB	10 50V	[M]
C1222	ECA1HAK100XB	10 50V	[M]
C1223	ECUVNC104ZFV	0.1 16V	[M]
C1224	ECUV1H332KBV	3300P 50V	[M]
C1225	ECUV1H332KBV	3300P 50V	[M]
C1226	ECUV1H471KBV	470P 50V	[M]
C1227	ECUV1H471KBV	470P 50V	[M]
C1231	ECA1CAK330XB	33 16V	[M]
C1232	ECA1EAK330XB	33 25V	[M]
C1233	ECJ1VB1H472K	4700P 50V	[M]
C1234	ECJ1VB1H472K	4700P 50V	[M]
C1235	ECJ1VB1H472K	4700P 50V	[M]
C1236	ECA1EAK330XB	33 25V	[M]
C1237	ECJ1VB1H331K	330P 50V	[M]
C1238	ECJ1VC1H101K	100P 50V	[M]
C1239	ECJ1VB1H272K	2700P 50V	[M]
C1240	ECJ1VB1H272K	2700P 50V	[M]
C1241	ECJ1VB1H272K	2700P 50V	[M]
C1242	ECJ1VC1H101K	100P 50V	[M]
C1243	ECJ1VC1H101K	100P 50V	[M]
C1244	ECUV1H103KBV	0.01 50V	[M]
C1245	ECUV1H103KBV	0.01 50V	[M]
C1246	ECA1HAK100XB	10 50V	[M]
C1247	ECA1HAK100XB	10 50V	[M]
C1248	ECUV1H221KBV	220P 50V	[M]
C1249	ECJ1VB1E223K	0.022 25V	[M]
C1250	ECA1CAK330XB	33 16V	[M]
C1251	ECJ1VB1H331K	330P 50V	[M]
C1252	ECA1HAK4R7XB	4.7 50V	[M]
C1254	ECUV1H103KBV	0.01 50V	[M]
C1255	ECUV1H103KBV	0.01 50V	[M]
C1260	ECA1HAK4R7XB	4.7 50V	[M]
C1303	ECUVNC104ZFV	0.1 16V	[M]
C1306	ECUVNC104ZFV	0.1 16V	[M]
C1307	ECUVNC104ZFV	0.1 16V	[M]
C1308	ECUVNC104ZFV	0.1 16V	[M]
C1309	ECUVNC104ZFV	0.1 16V	[M]
C1310	ECA0JAK101XB	100 6.3V	[M]
C1311	ECUVNC104ZFV	0.1 16V	[M]
C1313	ECUV1H103KBV	0.01 50V	[M]
C1316	ECUVNC104ZFV	0.1 16V	[M]
C1341	ECJ1VB1H331K	330P 50V	[M]
C1342	ECJ1VB1H331K	330P 50V	[M]
C1343	ECJ1VB1H331K	330P 50V	[M]
C1344	ECJ1VB1H331K	330P 50V	[M]
C1345	ECA1HAK4R7XB	4.7 50V	[M]
C1346	ECA1HAK4R7XB	4.7 50V	[M]
C1347	ECA1HAK4R7XB	4.7 50V	[M]
C1348	ECA1HAK4R7XB	4.7 50V	[M]
C1349	ECUV1H221KBV	220P 50V	[M]
C1350	ECUV1H221KBV	220P 50V	[M]
C1351	ECUV1H221KBV	220P 50V	[M]
C1352	ECUV1H221KBV	220P 50V	[M]
C1353	ECUV1H103KBV	0.01 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1354	ECUV1H103KBV	0.01 50V	[M]
C1355	ECA1EAK100XB	10 25V	[M]
C1356	ECA1EAK100XB	10 25V	[M]
C1361	ECA1CAK330XB	33 16V	[M]
C1362	ECJ1VC1H101K	100P 50V	[M]
C1363	ECJ1VB1H272K	2700P 50V	[M]
C1364	ECJ1VB1H331K	330P 50V	[M]
C1365	ECUV1H221KBV	220P 50V	[M]
C1366	ECA1HAK4R7XB	4.7 50V	[M]
C1367	ECA1CAK220XB	22 16V	[M]
C1368	ECUV1H221KBV	220P 50V	[M]
C1369	ECUV1H221KBV	220P 50V	[M]
C1370	ECA1CAK220XB	22 16V	[M]
C1371	ECUV1H103KBV	0.01 50V	[M]
C1372	ECUV1H103KBV	0.01 50V	[M]
C1373	ECA1EAK100XB	10 25V	[M]
C1374	ECA1EAK100XB	10 25V	[M]
C1375	ECUV1H103KBV	0.01 50V	[M]
C1376	ECUV1H103KBV	0.01 50V	[M]
C1380	ECJ1VB1H472K	4700P 50V	[M]
C1401	ECA1HAK4R7XB	4.7 50V	[M]
C1402	ECA1HAK4R7XB	4.7 50V	[M]
C1403	ECUV1H103KBV	0.01 50V	[M]
C1404	ECUV1H103KBV	0.01 50V	[M]
C1405	ECA1CAK330XB	33 16V	[M]
C1406	ECA1CAK330XB	33 16V	[M]
C1407	ECA1CAK330XB	33 16V	[M]
C1408	ECA1CAK330XB	33 16V	[M]
C1409	ECJ1VC1H101K	100P 50V	[M]
C1410	ECA1EAK470XB	47 25V	[M]
C1411	ECA1EAK470XB	47 25V	[M]
C1412	ECUVNC104ZFV	0.1 16V	[M]
C1413	ECUVNC104ZFV	0.1 16V	[M]
C1414	ECA1CAK330XB	33 16V	[M]
C1415	ECA1CAK330XB	33 16V	[M]
C1416	ECUVNC104ZFV	0.1 16V	[M]
C1417	ECUVNC104ZFV	0.1 16V	[M]
C1451	ECA1HAK4R7XB	4.7 50V	[M]
C1452	ECA1HAK4R7XB	4.7 50V	[M]
C1453	ECJ1VC1H470J	47P 50V	[M]
C1454	ECJ1VC1H470J	47P 50V	[M]
C1455	ECA1CAK330XB	33 16V	[M]
C1456	ECA1CAK330XB	33 16V	[M]
C1457	ECUV1H221KBV	220P 50V	[M]
C1458	ECUV1H221KBV	220P 50V	[M]
C1459	ECA1HAK4R7XB	4.7 50V	[M]
C1460	ECA1HAK4R7XB	4.7 50V	[M]
C1461	ECA1HAK4R7XB	4.7 50V	[M]
C1462	ECA1HAK4R7XB	4.7 50V	[M]
C1463	ECUV1H221KBV	220P 50V	[M]
C1464	ECUV1H221KBV	220P 50V	[M]
C1465	ECA1EAK470XB	47 25V	[M]
C1466	ECA1EAK470XB	47 25V	[M]
C1467	ECUVNC104ZFV	0.1 16V	[M]

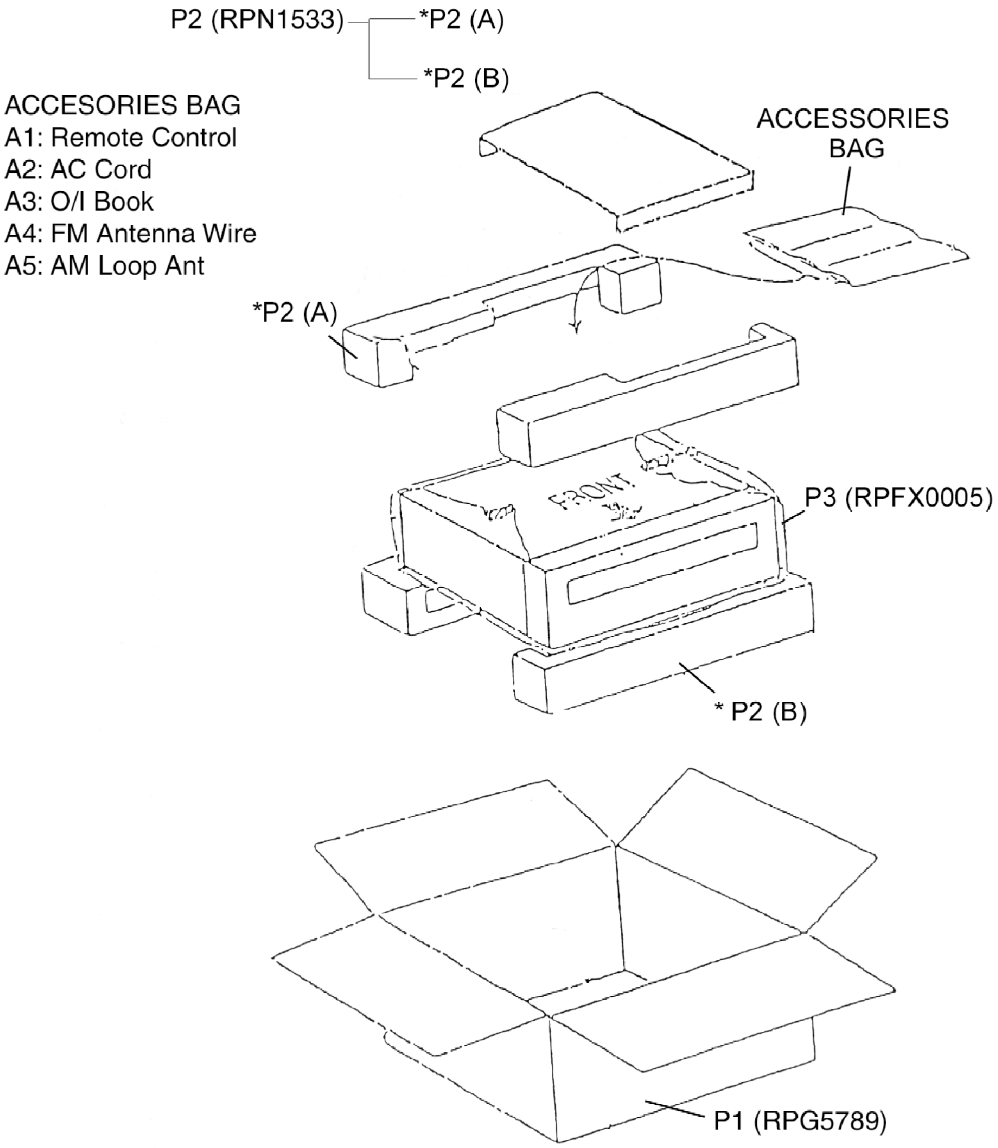
Ref. No.	Part No.	Part Name & Description	Remarks
C1468	ECUVNC104ZFV	0.1 16V	[M]
C1521	ECA1HAK4R7XB	4.7 50V	[M]
C1522	ECA1HAK4R7XB	4.7 50V	[M]
C1523	ECA1EAK470XB	47 25V	[M]
C1524	ECUV1H103KBV	0.01 50V	[M]
C1527	ECEA1CKN100B	10 16V	[M]
C1528	ECEA1CKN100B	10 16V	[M]
C1529	ECA1HAK100XB	10 50V	[M]
C1530	ECUVNC104ZFV	0.1 16V	[M]
C1543	ECUV1H103KBV	0.01 50V	[M]
C1601	ECUVNC104ZFV	0.1 16V	[M]
C1602	ECA1CAK100XB	10 16V	[M]
C1603	ECUVNC104ZFV	0.1 16V	[M]
C1681	ECBT1H103KB5	0.01 50V	[M]
C1682	ECBT1H103KB5	0.01 50V	[M]
C1683	ECBT1C332KR5	3300P 16V	[M]
C1684	ECBT1C332KR5	3300P 16V	[M]
C1685	ECBT1H103KB5	0.01 50V	[M]
C1701	ECA1AM332E	3300 10V	[M]
C1702	ECA1CAK101XB	100 16V	[M]
C1703	ECUV1H103KBV	0.01 50V	[M]
C1704	ECA1CAK100XB	10 16V	[M]
C1705	ECA1CAK220XB	22 16V	[M]
C1706	ECUV1H391JCV	390P 50V	[M]
C1801	ECUVNC104ZFV	0.1 16V	[M]
C1950	ECUV1H221KBV	220P 50V	[M]
C1951	ECUV1H221KBV	220P 50V	[M]

15.3. Packing Materials & Accessories Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPG5789	PACKING CASE	[M]
P2	RPN1533	POLYFOAM	[M]
P3	RPFX0005	MIRAMAT BAG	[M]
		ACCESSORIES	
A1	EUR7702KF0	REMOTE CONTROL	[M]
A1-1	UR64EC2337D	R/C BATTREY COVER	[M]
A2	RJA0019-2K	AC CORD (SF)	[M] ⚠EG E
A2	VJA0733	AC CORD (SF)	[M] ⚠EB
A3	RQT6203-R	O/I FOR REMOTE CONTR	[M]E
A3	RQT6204-B	O/I FOR REMOTE CONTR	[M]EB E
A3	RQT6206-D	O/I FOR REMOTE CONTR	[M]EG
A3	RQT6210-R	O/I BOOK	[M]E
A3	RQT6211-B	O/I BOOK	[M]EB E
A3	RQT6212-D	O/I BOOK	[M]EG
A3	RQT6475-R	O/I FOR REMOTE CONTR	[M]E
A3	RQT6476-D	O/I FOR REMOTE CONTR	[M]EG
A3	RQT6477-D	O/I FOR REMOTE CONTR	[M]EG

Ref. No.	Part No.	Part Name & Description	Remarks
A4	**RSA0007-L**	**FM ANTENNA WIRE**	**[M]**
A5	**K1YZ02000013**	**ANT ADAPTER**	**[M]EB**
A6	**N1DAEYA00006**	**AM LOOP ANT**	**[M]EG E**

15.4. Packaging

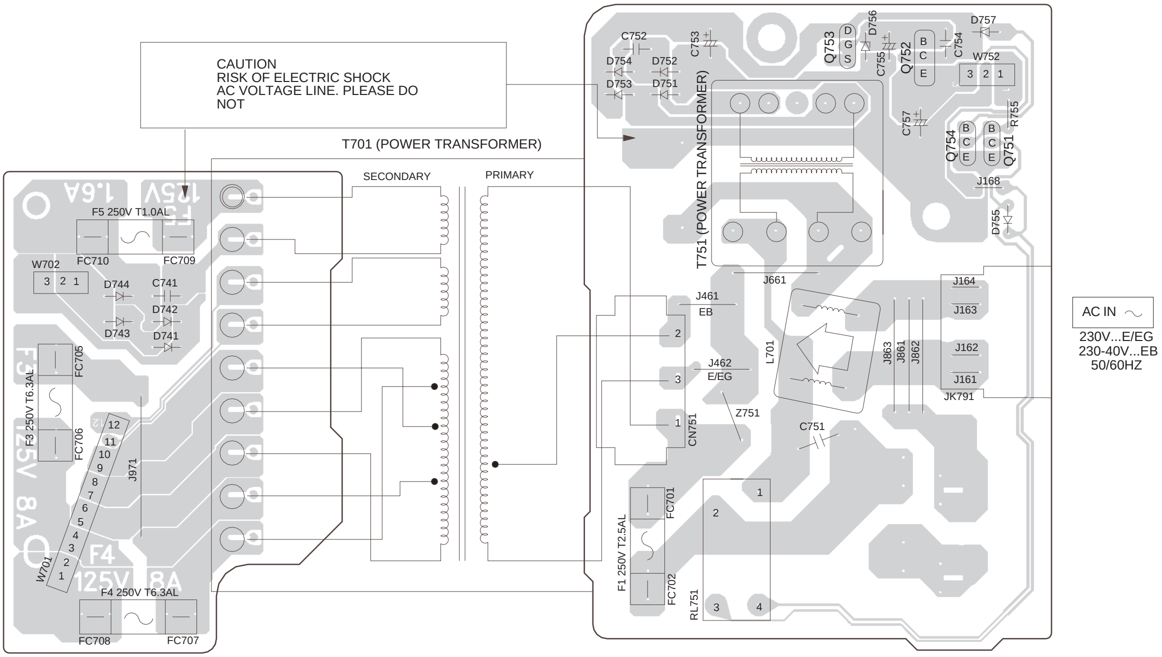

P2 (RPN1533)
*P2 (A)
*P2 (B)
ACCESORIES BAG
A1: Remote Control
A2: AC Cord
A3: O/I Book
A4: FM Antenna Wire
A5: AM Loop Ant
ACCESSORIES BAG
*P2 (A)
FRONT
P3 (RPFX0005)
* P2 (B)
P1 (RPG5789)

/ Printed in Singapore / M020500001PRT/K/J/E/N/S/A

A B C D E F G

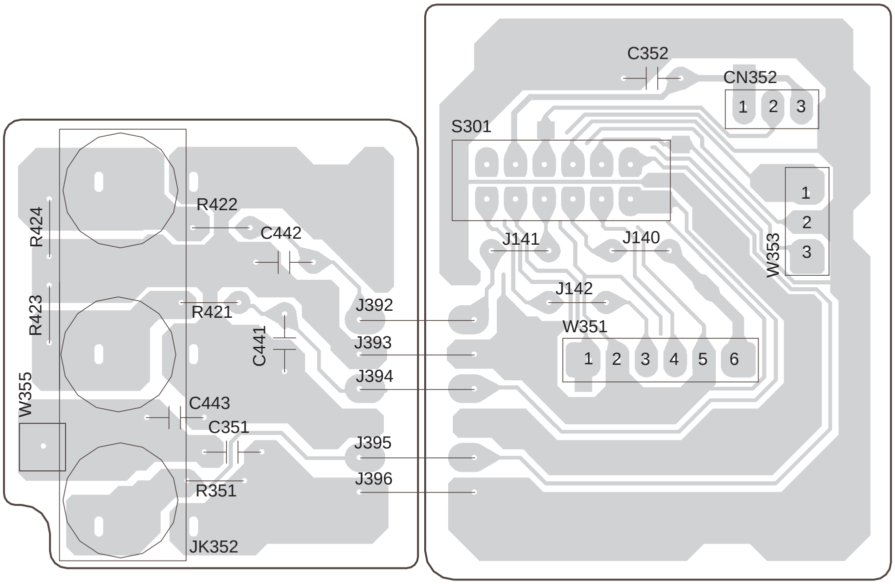
1 2 3 4 5 6 7 8 9

H TRANSFORMER P.C.B
(REP3259C-M...E/EG)
(REP3259D-M...EB)

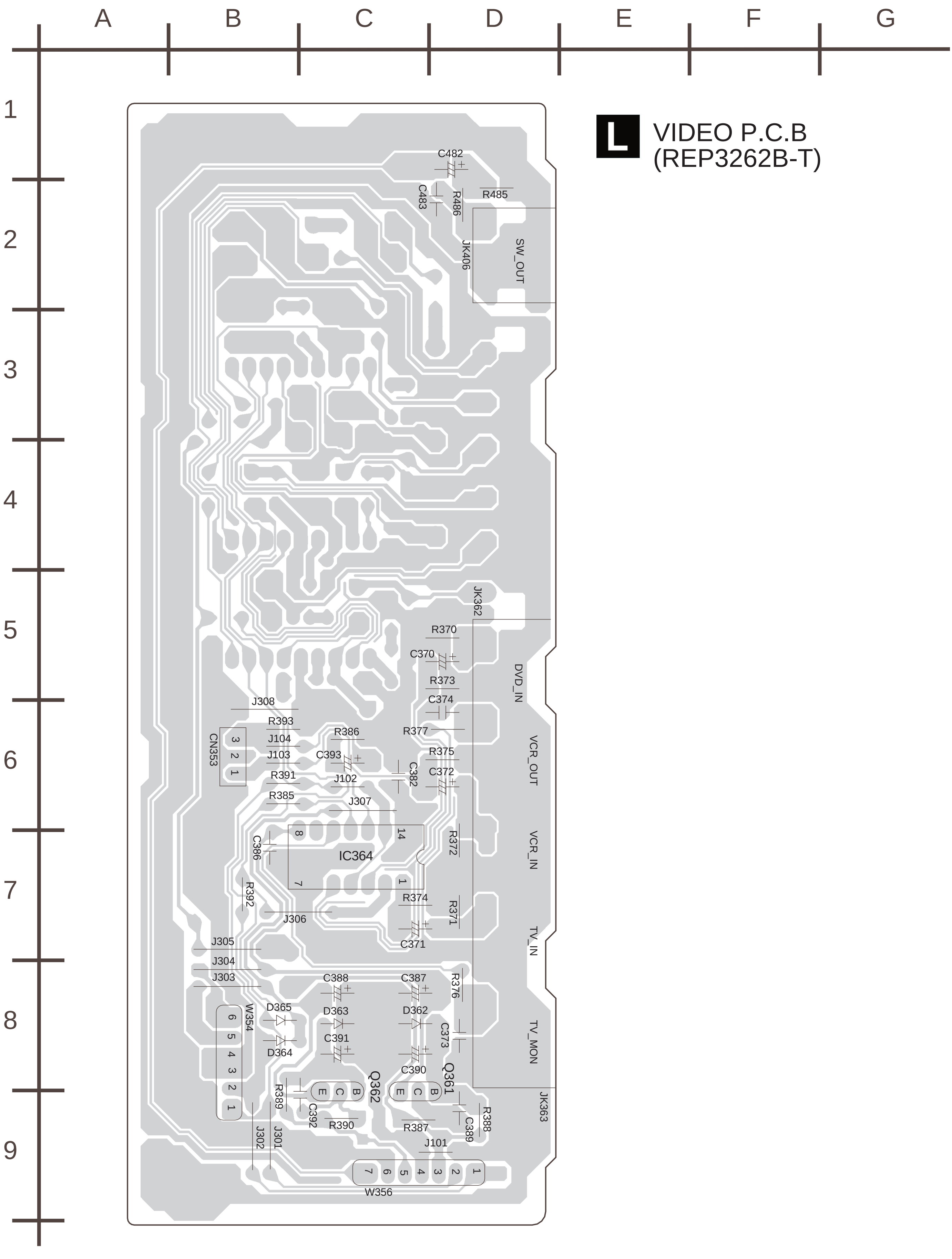

CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE. PLEASE DO
NOT
T701 (POWER TRANSFORMER)
SECONDARY
PRIMARY
F5 250V T1.0AL
FC710
FC709
W702
3 2 1
D744
C741
D742
D743
D741
FC705
F3 250V T6.3AL
FC706
J971
12
11
10
9
8
7
6
5
4
3
2
1
W701
F4 250V T6.3AL
FC708
FC707
1.6A
125V
F5
F3
125V 8A
F4
125V 8A
C752
C753
D754
D752
D753
D751
Q753
D
G
S
D756
C755
Q752
B
C
E
C754
D757
W752
3 2 1
R755
C757
Q754
Q751
J168
D755
T751 (POWER TRANSFORMER)
J661
J461
EB
J462
E/EG
2
3
1
CN751
Z751
L701
J863
J861
J862
J164
J163
J162
J161
JK791
C751
AC IN
230V...E/EG
230-40V...EB
50/60HZ
FC701
F1 250V T2.5AL
FC702
RL751
1
2
3
4

I SUB-TRANSFORMER P.C.B
(REP3259C-M...E/EG)
(REP3259D-M...EB)

K VCR P.C.B REP32560B-S)


C352
CN352
1 2 3
S301
1
2
3
W353
J141
J140
J142
W351
1 2 3 4 5 6
R422
C442
R424
R423
R421
C441
J392
J393
J394
W355
C443
C351
J395
J396
R351
JK352

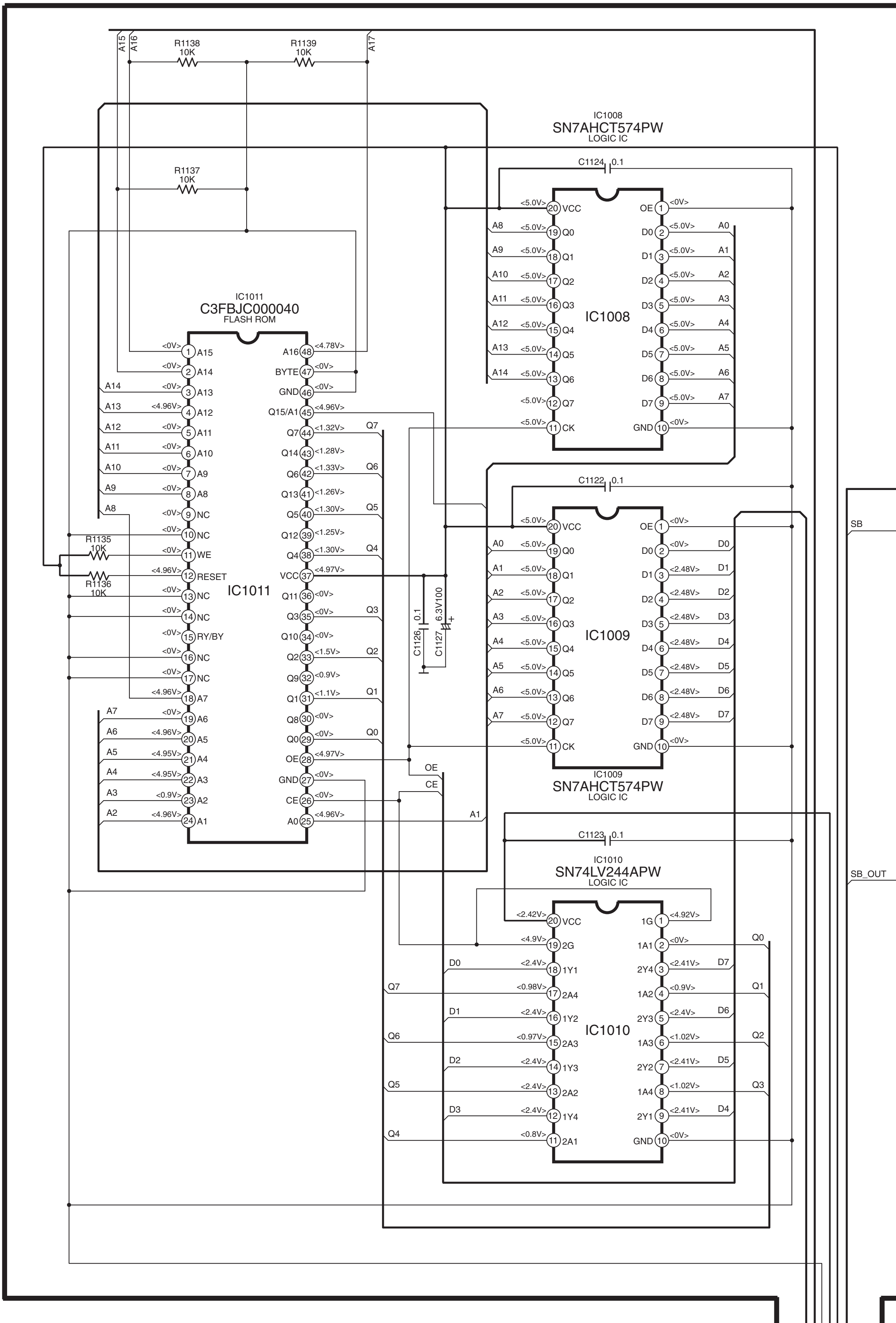
L VIDEO P.C.B (REP3262B-T)


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
C482
C483
R486
R485
JK406
SW_OUT
JK362
R370
C370
R373
C374
R377
R375
C372
DVD_IN
VCR_OUT
VCR_IN
TV_IN
TV_MON
J308
R393
J104
J103
R391
R385
CN353
3
2
1
R386
C393
J102
C382
J307
C386
8
14
IC364
7
1
R372
R392
R374
R371
J306
C371
J305
J304
J303
C388
C387
R376
W354
6
5
4
3
2
1
D365
D364
D363
D362
C391
C390
C373
Q362
Q361
E
C
B
E
C
B
R389
C392
R390
R387
R388
C389
JK363
J302
J301
J101
7
6
5
4
3
2
1
W356

SCHEMATIC DIAGRAM-1

A DIGITAL CIRCUIT

——— : +B SIGNAL LINE

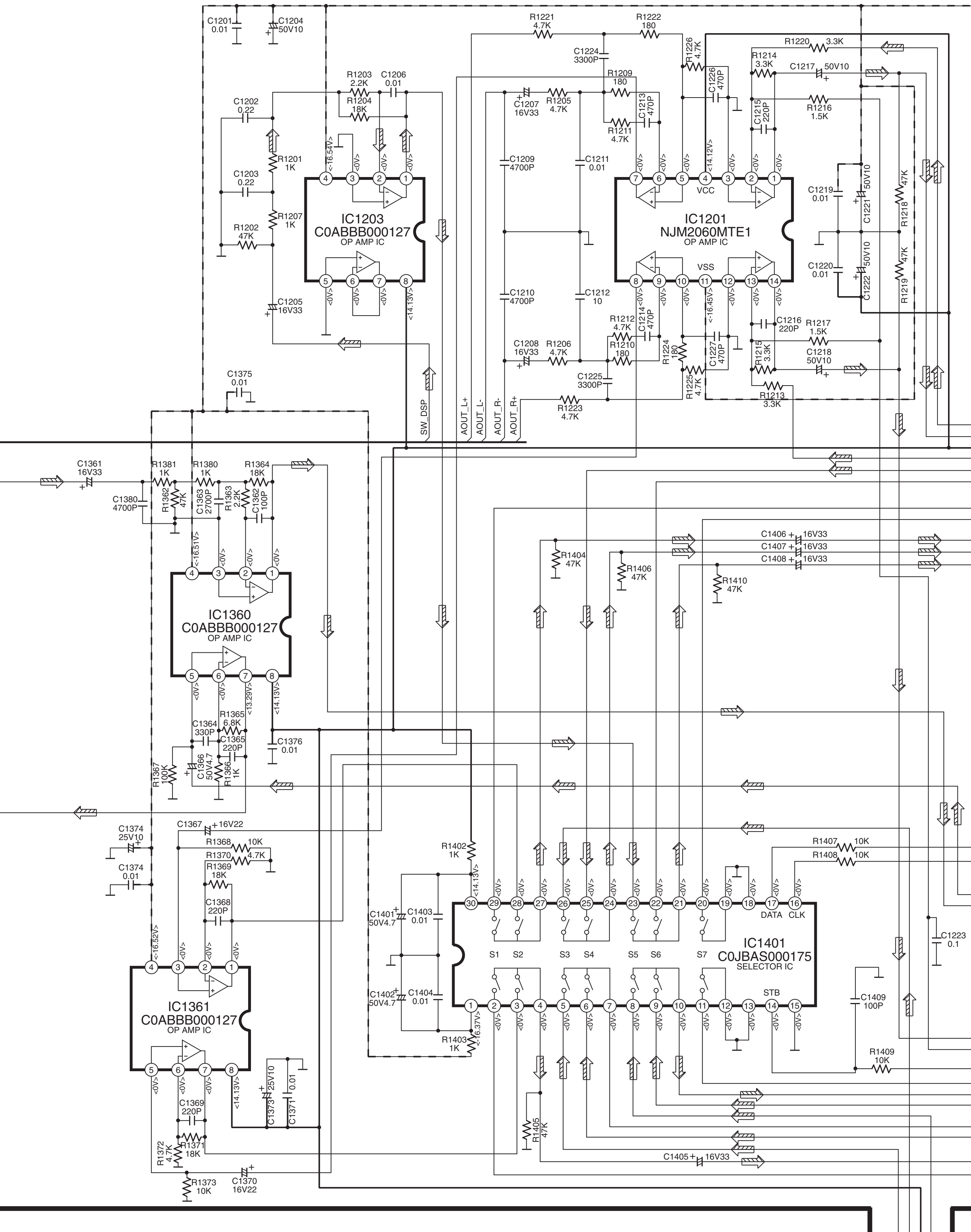

A15
A16
R1138
10K
R1139
10K
A17
IC1008
SN7AHCT574PW
LOGIC IC
C1124
0.1
R1137
10K
<5.0V> 20 VCC
OE 1 <0V>
A8 <5.0V> 19 Q0
D0 2 <5.0V> A0
A9 <5.0V> 18 Q1
D1 3 <5.0V> A1
A10 <5.0V> 17 Q2
D2 4 <5.0V> A2
A11 <5.0V> 16 Q3
D3 5 <5.0V> A3
A12 <5.0V> 15 Q4
D4 6 <5.0V> A4
A13 <5.0V> 14 Q5
D5 7 <5.0V> A5
A14 <5.0V> 13 Q6
D6 8 <5.0V> A6
<5.0V> 12 Q7
D7 9 <5.0V> A7
<5.0V> 11 CK
GND 10 <0V>
IC1008
IC1011
C3FBJC000040
FLASH ROM
<0V> 1 A15
A16 48 <4.78V>
<0V> 2 A14
BYTE 47 <0V>
A14 <0V> 3 A13
GND 46 <0V>
A13 <4.96V> 4 A12
Q15/A1 45 <4.96V>
A12 <0V> 5 A11
Q7 44 <1.32V> Q7
A11 <0V> 6 A10
Q14 43 <1.28V>
A10 <0V> 7 A9
Q6 42 <1.33V> Q6
A9 <0V> 8 A8
Q13 41 <1.26V>
A8 <0V> 9 NC
Q5 40 <1.30V> Q5
<0V> 10 NC
Q12 39 <1.25V>
R1135
10K
<0V> 11 WE
Q4 38 <1.30V> Q4
<4.96V> 12 RESET
VCC 37 <4.97V>
R1136
10K
<0V> 13 NC
Q11 36 <0V>
IC1011
<0V> 14 NC
Q3 35 <0V> Q3
<0V> 15 RY/BY
Q10 34 <0V>
<0V> 16 NC
Q2 33 <1.5V> Q2
<0V> 17 NC
Q9 32 <0.9V>
<4.96V> 18 A7
Q1 31 <1.1V> Q1
A7 <0V> 19 A6
Q8 30 <0V>
A6 <4.96V> 20 A5
Q0 29 <0V> Q0
A5 <4.95V> 21 A4
OE 28 <4.97V>
A4 <4.95V> 22 A3
GND 27 <0V>
A3 <0.9V> 23 A2
CE 26 <0V>
A2 <4.96V> 24 A1
A0 25 <4.96V>
C1126 0.1
C1127 6.3V100
OE
CE
A1
C1122
0.1
<5.0V> 20 VCC
OE 1 <0V>
A0 <5.0V> 19 Q0
D0 2 <0V> D0
A1 <5.0V> 18 Q1
D1 3 <2.48V> D1
A2 <5.0V> 17 Q2
D2 4 <2.48V> D2
A3 <5.0V> 16 Q3
D3 5 <2.48V> D3
A4 <5.0V> 15 Q4
D4 6 <2.48V> D4
A5 <5.0V> 14 Q5
D5 7 <2.48V> D5
A6 <5.0V> 13 Q6
D6 8 <2.48V> D6
A7 <5.0V> 12 Q7
D7 9 <2.48V> D7
<5.0V> 11 CK
GND 10 <0V>
IC1009
IC1009
SN7AHCT574PW
LOGIC IC
SB
C1123
0.1
IC1010
SN74LV244APW
LOGIC IC
SB_OUT
<2.42V> 20 VCC
1G 1 <4.92V>
<4.9V> 19 2G
1A1 2 <0V> Q0
D0 <2.4V> 18 1Y1
2Y4 3 <2.41V> D7
Q7 <0.98V> 17 2A4
1A2 4 <0.9V> Q1
D1 <2.4V> 16 1Y2
2Y3 5 <2.4V> D6
Q6 <0.97V> 15 2A3
1A3 6 <1.02V> Q2
D2 <2.4V> 14 1Y3
2Y2 7 <2.41V> D5
Q5 <2.4V> 13 2A2
1A4 8 <1.02V> Q3
D3 <2.4V> 12 1Y4
2Y1 9 <2.41V> D4
Q4 <0.8V> 11 2A1
GND 10 <0V>
IC1010

A DIGITAL CIRCUIT

- - - - : -B SIGNAL LINE

—— : +B SIGNAL LINE

⇨ : MAIN SIGNAL LINE


C1201 0.01
C1204 50V10
R1203 2.2K
C1206 0.01
R1204 18K
C1202 0.22
R1201 1K
C1203 0.22
R1207 1K
R1202 47K
C1205 16V33
<-16.54V>
IC1203
C0ABBB000127
OP AMP IC
<14.13V>
SW_DSP
AOUT_L+
AOUT_L-
AOUT_R-
AOUT_R+
R1221 4.7K
R1222 180
C1224 3300P
R1226 4.7K
R1209 180
C1207 16V33
R1205 4.7K
C1213 470P
R1211 4.7K
C1226 470P
R1220 3.3K
R1214 3.3K
C1217 50V10
C1215 220P
R1216 1.5K
C1209 4700P
C1211 0.01
<14.12V>
VCC
IC1201
NJM2060MTE1
OP AMP IC
VSS
<-16.45V>
C1219 0.01
C1221 50V10
R1218 47K
C1220 0.01
C1222 50V10
R1219 47K
C1210 4700P
C1212 10
R1212 4.7K
C1214 470P
R1210 180
C1208 16V33
R1206 4.7K
R1224 180
C1227 470P
C1216 220P
R1217 1.5K
R1215 3.3K
C1218 50V10
C1225 3300P
R1225 4.7K
R1213 3.3K
R1223 4.7K
C1375 0.01
C1361 16V33
C1380 4700P
R1381 1K
R1362 47K
R1380 1K
C1363 2700P
R1363 2.2K
R1364 18K
C1362 100P
<-16.51V>
IC1360
C0ABBB000127
OP AMP IC
<13.29V>
<14.13V>
R1365 6.8K
C1364 330P
C1365 220P
R1367 100K
C1366 50V4.7
R1366 1K
C1376 0.01
C1374 25V10
C1374 0.01
C1367 16V22
R1368 10K
R1370 4.7K
R1369 18K
C1368 220P
<-16.52V>
IC1361
C0ABBB000127
OP AMP IC
<14.13V>
C1369 220P
R1372 4.7K
R1371 18K
R1373 10K
C1370 16V22
C1373 25V10
C1371 0.01
C1406 16V33
C1407 16V33
C1408 16V33
R1404 47K
R1406 47K
R1410 47K
R1402 1K
<14.13V>
C1401 50V4.7
C1403 0.01
C1402 50V4.7
C1404 0.01
R1403 1K
<-16.37V>
DATA
CLK
S1
S2
S3
S4
S5
S6
S7
IC1401
C0JBAS000175
SELECTOR IC
STB
R1407 10K
R1408 10K
C1223 0.1
C1409 100P
R1409 10K
R1405 47K
C1405 16V33
<0V>

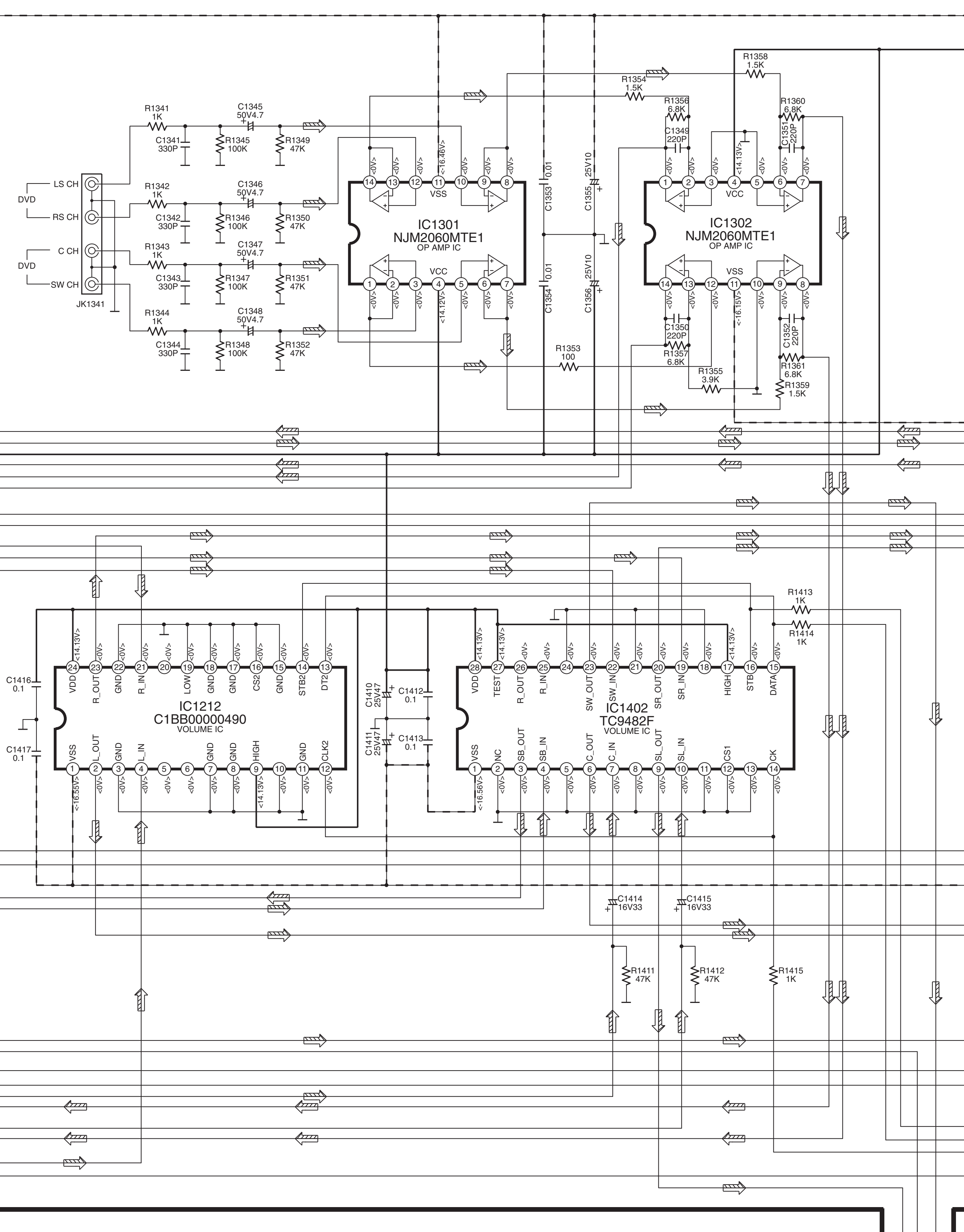
SCHEMATIC DIAGRAM-3

A DIGITAL CIRCUIT

- - - - : -B SIGNAL LINE

——— : +B SIGNAL LINE

⇨ : MAIN SIGNAL LINE



DVD
LS CH
RS CH
DVD
C CH
SW CH
JK1341
R1341 1K
R1342 1K
R1343 1K
R1344 1K
C1341 330P
C1342 330P
C1343 330P
C1344 330P
C1345 50V4.7
C1346 50V4.7
C1347 50V4.7
C1348 50V4.7
R1345 100K
R1346 100K
R1347 100K
R1348 100K
R1349 47K
R1350 47K
R1351 47K
R1352 47K
IC1301
NJM2060MTE1
OP AMP IC
VSS
VCC
<16.46V>
<14.12V>
C1353 0.01
C1354 0.01
C1355 25V10
C1356 25V10
R1353 100
R1354 1.5K
R1355 3.9K
R1356 6.8K
R1357 6.8K
R1358 1.5K
R1359 1.5K
R1360 6.8K
R1361 6.8K
C1349 220P
C1350 220P
C1351 220P
C1352 220P
IC1302
NJM2060MTE1
OP AMP IC
VCC
VSS
<14.13V>
<-16.15V>
IC1212
C1BB00000490
VOLUME IC
VDD
R_OUT
GND
R_IN
LOW
GND
GND
CS2
GND
STB2
DT2
VSS
L_OUT
GND
L_IN
GND
GND
HIGH
GND
CLK2
<14.13V>
<-16.55V>
<14.13V>
C1416 0.1
C1417 0.1
C1410 25V47
C1411 25V47
C1412 0.1
C1413 0.1
IC1402
TC9482F
VOLUME IC
VDD
TEST
R_OUT
R_IN
SW_OUT
SW_IN
SR_OUT
SR_IN
HIGH
STB
DATA
VSS
NC
SB_OUT
SB_IN
C_OUT
C_IN
SL_OUT
SL_IN
CS1
CK
<14.13V>
<14.13V>
<14.13V>
<-16.56V>
R1413 1K
R1414 1K
R1415 1K
C1414 16V33
C1415 16V33
R1411 47K
R1412 47K
<0V>

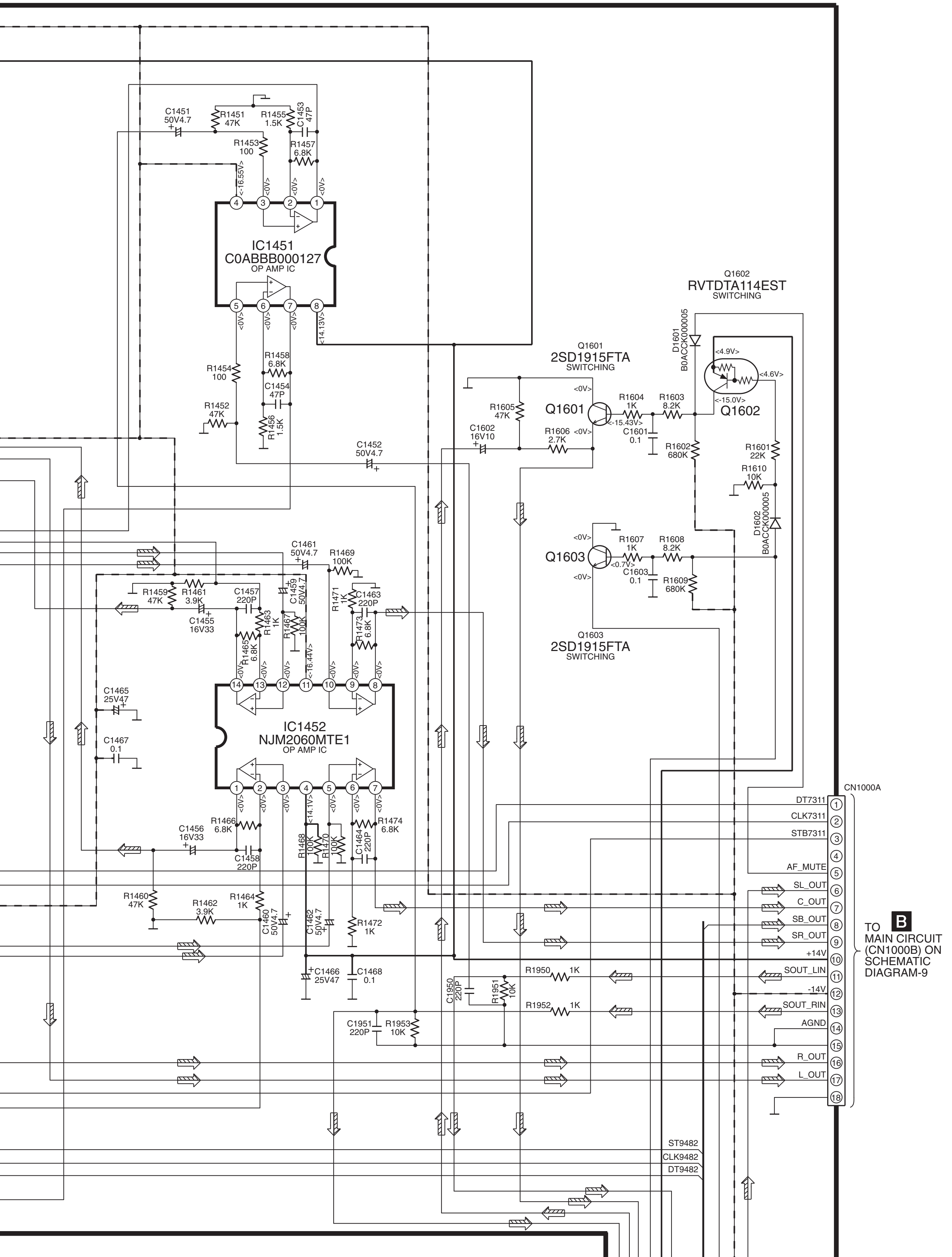
SCHEMATIC DIAGRAM-4

A DIGITAL CIRCUIT

- - - - : -B SIGNAL LINE

——— : +B SIGNAL LINE

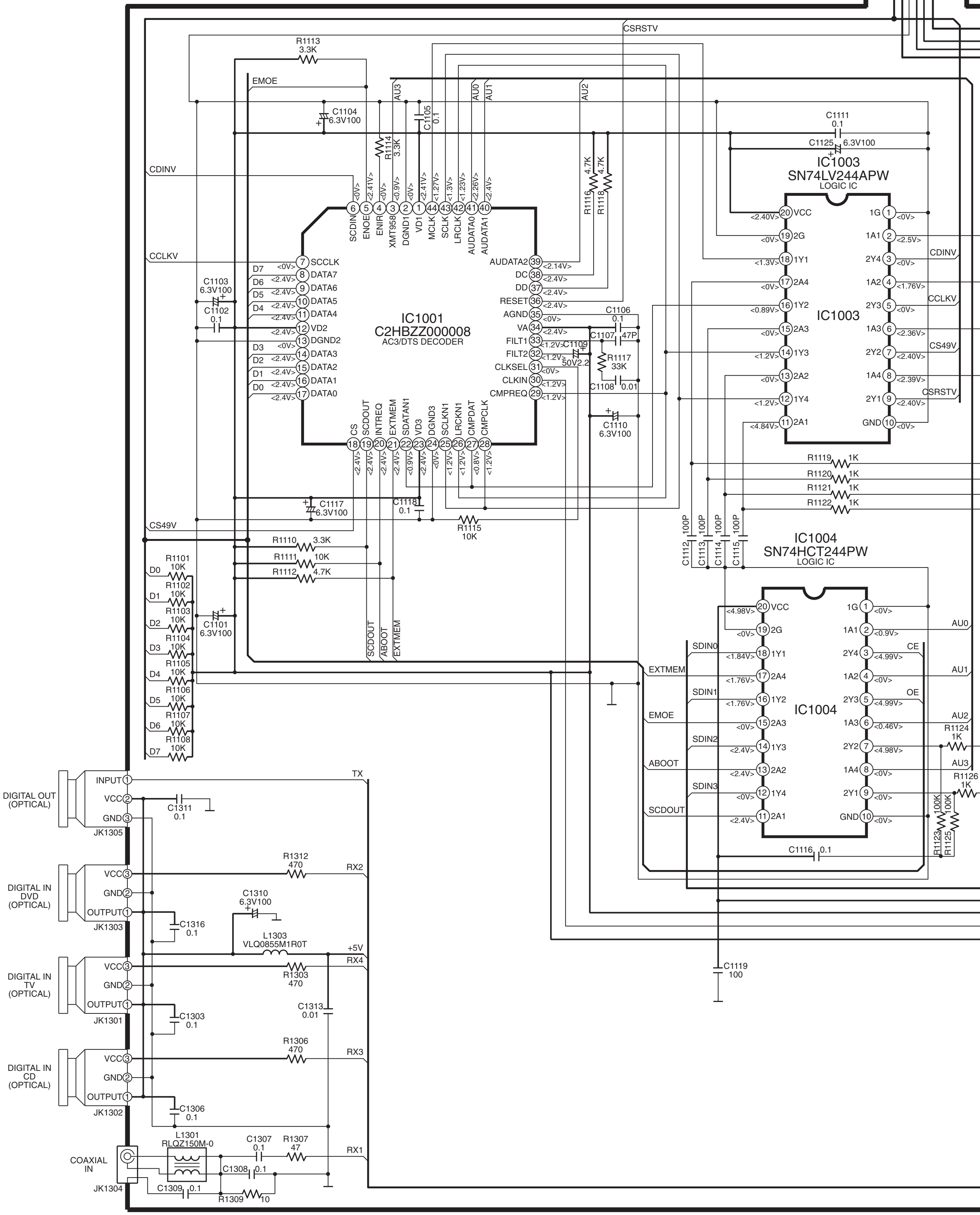
⇨ : MAIN SIGNAL LINE


IC1451
C0ABBB000127
OP AMP IC
C1451 50V4.7
R1451 47K
R1455 1.5K
C1453 47P
R1453 100
R1457 6.8K
<-16.55V>
<0V>
<14.13V>
R1458 6.8K
C1454 47P
R1454 100
R1452 47K
R1456 1.5K
C1452 50V4.7
IC1452
NJM2060MTE1
OP AMP IC
C1461 50V4.7
R1469 100K
R1459 47K
R1461 3.9K
C1457 220P
C1459 50V4.7
R1471 1K
C1463 220P
C1455 16V33
R1463 1K
R1467 100K
R1473 6.8K
R1465 6.8K
<-16.44V>
<14.1V>
C1465 25V47
C1467 0.1
R1466 6.8K
R1474 6.8K
C1456 16V33
C1458 220P
R1468 100K
R1470 100K
C1464 220P
R1460 47K
R1462 3.9K
R1464 1K
C1460 50V4.7
C1462 50V4.7
R1472 1K
C1466 25V47
C1468 0.1
Q1601
2SD1915FTA
SWITCHING
Q1602
RVTDTA114EST
SWITCHING
Q1603
2SD1915FTA
SWITCHING
D1601 B0ACCK000005
D1602 B0ACCK000005
<4.9V>
<4.6V>
<-15.0V>
<-15.43V>
<0.7V>
R1605 47K
R1604 1K
R1603 8.2K
C1602 16V10
R1606 2.7K
C1601 0.1
R1602 680K
R1601 22K
R1610 10K
R1607 1K
R1608 8.2K
C1603 0.1
R1609 680K
R1950 1K
R1952 1K
C1950 220P
R1951 10K
C1951 220P
R1953 10K
ST9482
CLK9482
DT9482
CN1000A
DT7311 ①
CLK7311 ②
STB7311 ③
④
AF_MUTE ⑤
SL_OUT ⑥
C_OUT ⑦
SB_OUT ⑧
SR_OUT ⑨
+14V ⑩
SOUT_LIN ⑪
-14V ⑫
SOUT_RIN ⑬
AGND ⑭
⑮
R_OUT ⑯
L_OUT ⑰
⑱
TO B MAIN CIRCUIT (CN1000B) ON SCHEMATIC DIAGRAM-9

SCHEMATIC DIAGRAM-5

A DIGITAL CIRCUIT

——— : +B SIGNAL LINE

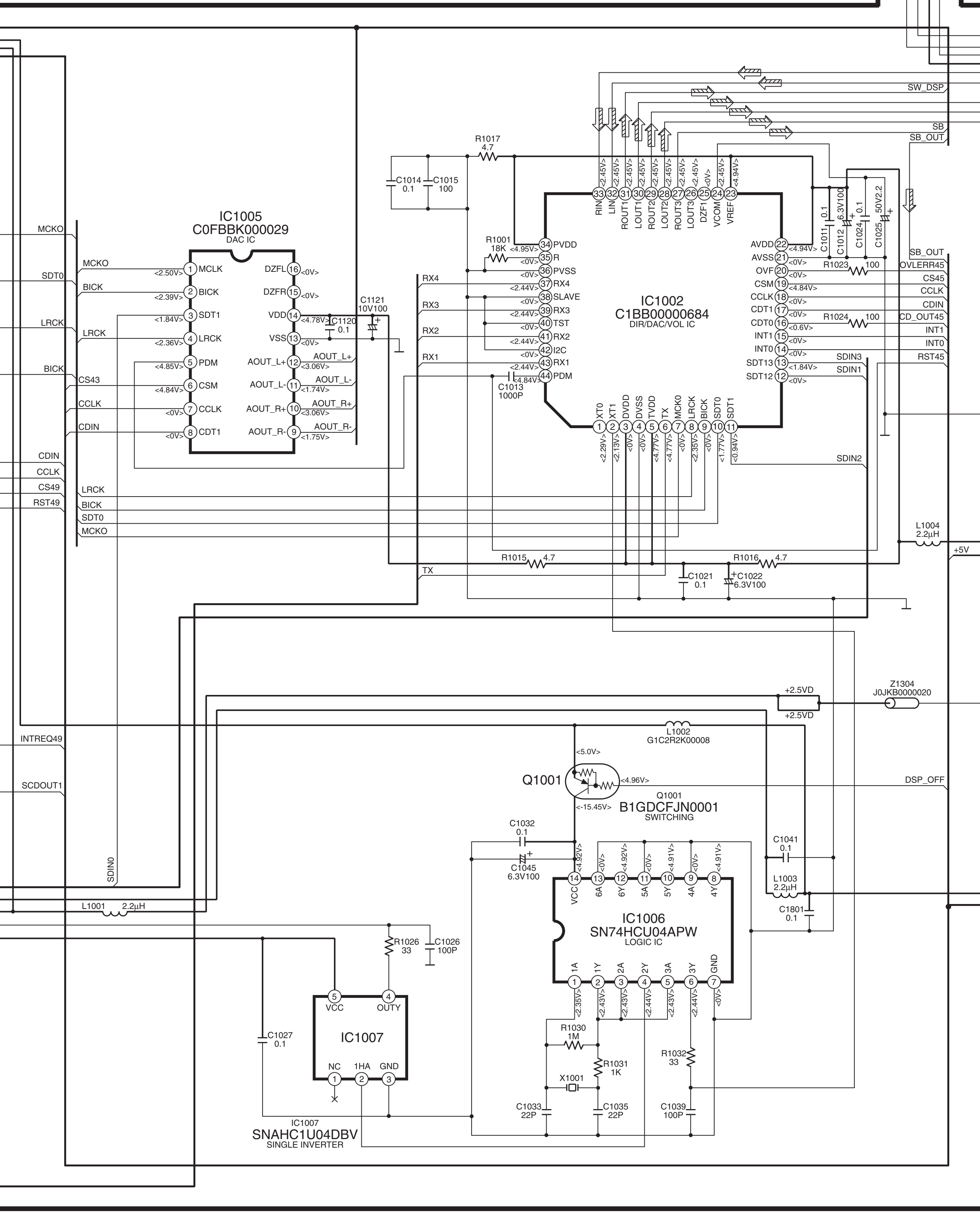


CSRSTV
R1113 3.3K
EMOE
AU3
AU0
AU1
AU2
C1104 6.3V100
C1105 0.1
R1114 3.3K
R1116 4.7K
R1118 4.7K
C1111 0.1
C1125 6.3V100
IC1003
SN74LV244APW
LOGIC IC
CDINV
CCLKV
IC1001
C2HBZZ000008
AC3/DTS DECODER
SCDIN ENOE ENIR XMT958 DGND1 VD1 MCLK SCLK LRCLK AUDATA0 AUDATA1
SCCLK DATA7 DATA6 DATA5 DATA4 VD2 DGND2 DATA3 DATA2 DATA1 DATA0
AUDATA2 DC DD RESET AGND VA FILT1 FILT2 CLKSEL CLKIN CMPREQ
CS SCDOUT INTREQ EXTMEM SDATAN1 VD3 DGND3 SCLKN1 LRCKN1 CMPDAT CMPCLK
D7 D6 D5 D4 D3 D2 D1 D0
C1103 6.3V100
C1102 0.1
C1106 0.1
C1107 47P
C1109 50V2.2
R1117 33K
C1108 0.01
C1110 6.3V100
C1117 6.3V100
C1118 0.1
R1115 10K
CS49V
R1110 3.3K
R1111 10K
R1112 4.7K
R1101 10K
R1102 10K
R1103 10K
R1104 10K
R1105 10K
R1106 10K
R1107 10K
R1108 10K
C1101 6.3V100
SCDOUT
ABOOT
EXTMEM
VCC 2G 1Y1 2A4 1Y2 2A3 1Y3 2A2 1Y4 2A1
1G 1A1 2Y4 1A2 2Y3 1A3 2Y2 1A4 2Y1 GND
R1119 1K
R1120 1K
R1121 1K
R1122 1K
C1112 100P
C1113 100P
C1114 100P
C1115 100P
IC1004
SN74HCT244PW
LOGIC IC
SDIN0 SDIN1 SDIN2 SDIN3
EXTMEM EMOE ABOOT SCDOUT
AU0 CE AU1 OE AU2 AU3
R1124 1K
R1126 1K
R1123 100K
R1125 100K
C1116 0.1
C1119 100
DIGITAL OUT (OPTICAL)
INPUT VCC GND
JK1305
TX
C1311 0.1
DIGITAL IN DVD (OPTICAL)
JK1303
R1312 470
RX2
C1316 0.1
C1310 6.3V100
L1303 VLQ0855M1R0T
+5V
DIGITAL IN TV (OPTICAL)
JK1301
R1303 470
RX4
C1303 0.1
C1313 0.01
DIGITAL IN CD (OPTICAL)
JK1302
R1306 470
RX3
C1306 0.1
COAXIAL IN
JK1304
L1301 RLQZ150M-0
C1307 0.1
R1307 47
RX1
C1308 0.1
C1309 0.1
R1309 10

SCHEMATIC DIAGRAM-6

A DIGITAL CIRCUIT

——— : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

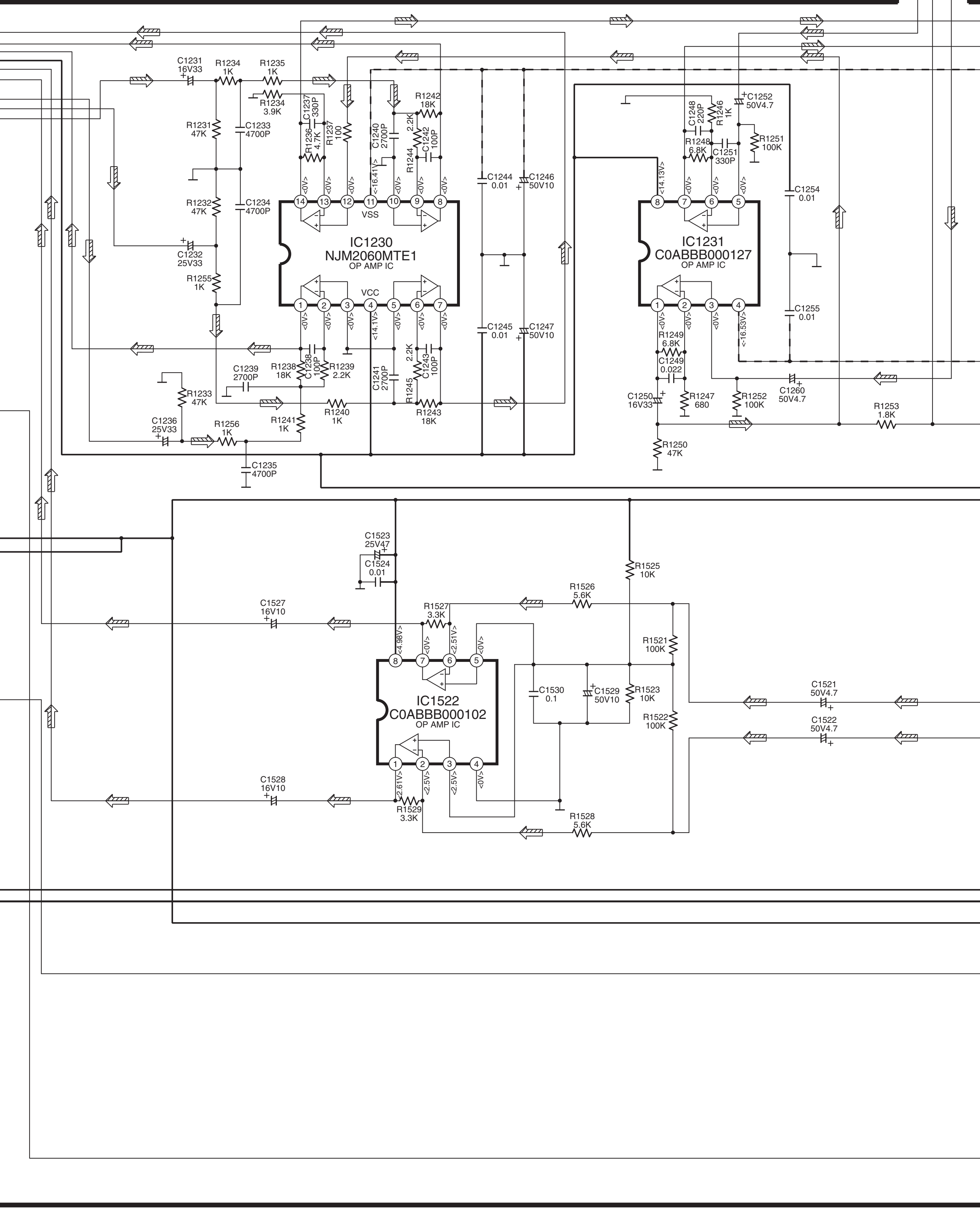


IC1005
C0FBBK000029
DAC IC
MCLK
BICK
SDT1
LRCK
PDM
CSM
CCLK
CDT1
DZFL
DZFR
VDD
VSS
AOUT_L+
AOUT_L-
AOUT_R+
AOUT_R-
C1121
10V100
C1120
0.1
C1014
0.1
C1015
100
R1017
4.7
R1001
18K
IC1002
C1BB00000684
DIR/DAC/VOL IC
PVDD
R
PVSS
RX4
SLAVE
RX3
TST
RX2
I2C
RX1
PDM
RIN
LIN
ROUT1
LOUT1
ROUT2
LOUT2
ROUT3
LOUT3
DZF1
VCOM
VREF
AVDD
AVSS
OVF
CSM
CCLK
CDT1
CDT0
INT1
INT0
SDT13
SDT12
XT0
XT1
DVDD
DVSS
TVDD
TX
MCK0
LRCK
BICK
SDT0
SDT1
C1011
0.1
C1012
6.3V100
C1024
0.1
C1025
50V2.2
R1023
100
R1024
100
C1013
1000P
SW_DSP
SB
SB_OUT
OVLERR45
CS45
CCLK
CDIN
CD_OUT45
INT1
INT0
RST45
SDIN3
SDIN1
SDIN2
MCKO
SDT0
LRCK
BICK
CS43
CCLK
CDIN
CS49
RST49
RX4
RX3
RX2
RX1
TX
L1004
2.2µH
+5V
R1015
4.7
R1016
4.7
C1021
0.1
C1022
6.3V100
+2.5VD
Z1304
J0JKB0000020
L1002
G1C2R2K00008
Q1001
B1GDCFJN0001
SWITCHING
DSP_OFF
INTREQ49
SCDOUT1
SDIN0
L1001
2.2µH
C1032
0.1
C1045
6.3V100
C1041
0.1
L1003
2.2µH
C1801
0.1
IC1006
SN74HCU04APW
LOGIC IC
VCC
6A
6Y
5A
5Y
4A
4Y
1A
1Y
2A
2Y
3A
3Y
GND
R1030
1M
R1031
1K
X1001
C1033
22P
C1035
22P
R1032
33
C1039
100P
R1026
33
C1026
100P
C1027
0.1
IC1007
VCC
OUTY
NC
1HA
GND
IC1007
SNAHC1U04DBV
SINGLE INVERTER

SCHEMATIC DIAGRAM-7

A DIGITAL CIRCUIT

- - - - : -B SIGNAL LINE
—— : +B SIGNAL LINE
⇨ : MAIN SIGNAL LINE


C1231
16V33
R1234
1K
R1235
1K
R1234
3.9K
R1231
47K
C1233
4700P
R1232
47K
C1234
4700P
C1232
25V33
R1255
1K
C1237
330P
R1236
4.7K
R1237
100
C1240
2700P
R1242
18K
2.2K
R1244
C1242
100P
<0V>
<-16.41V>
IC1230
NJM2060MTE1
OP AMP IC
VSS
VCC
<14.1V>
C1244
0.01
C1246
50V10
C1245
0.01
C1247
50V10
C1239
2700P
R1238
18K
C1238
100P
R1239
2.2K
C1241
2700P
R1245
2.2K
C1243
100P
R1233
47K
R1240
1K
R1243
18K
R1241
1K
C1236
25V33
R1256
1K
C1235
4700P
C1248
220P
R1246
1K
C1252
50V4.7
R1251
100K
R1248
6.8K
C1251
330P
<14.13V>
IC1231
C0ABBB000127
OP AMP IC
C1254
0.01
C1255
0.01
<-16.53V>
R1249
6.8K
C1249
0.022
C1250
16V33
R1247
680
R1252
100K
C1260
50V4.7
R1253
1.8K
R1250
47K
C1523
25V47
C1524
0.01
C1527
16V10
R1527
3.3K
R1526
5.6K
R1525
10K
<4.98V>
<2.51V>
R1521
100K
IC1522
C0ABBB000102
OP AMP IC
C1530
0.1
C1529
50V10
R1523
10K
R1522
100K
C1521
50V4.7
C1522
50V4.7
C1528
16V10
<2.61V>
<2.5V>
R1529
3.3K
R1528
5.6K

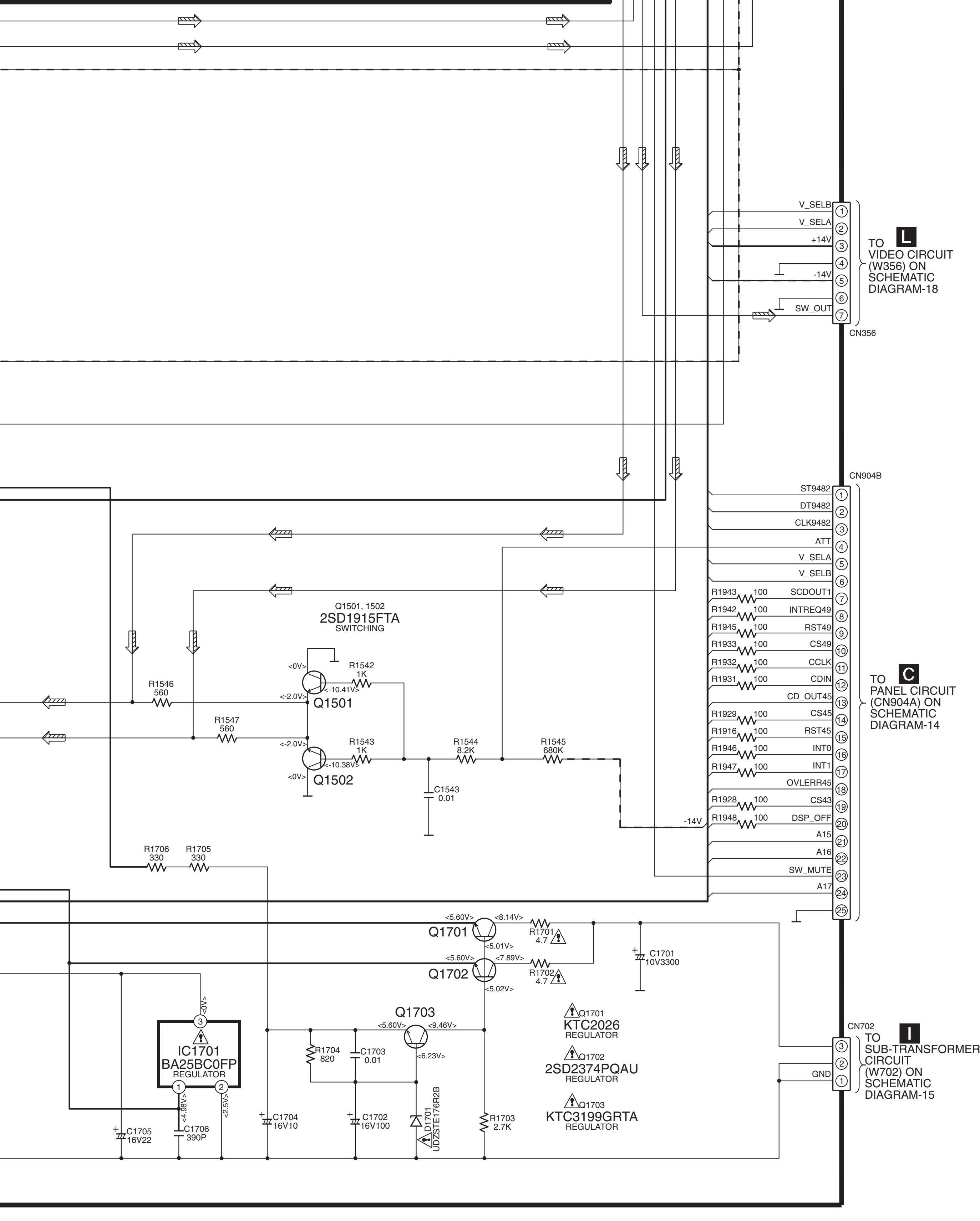
SCHEMATIC DIAGRAM-8

A DIGITAL CIRCUIT

- - - - : -B SIGNAL LINE

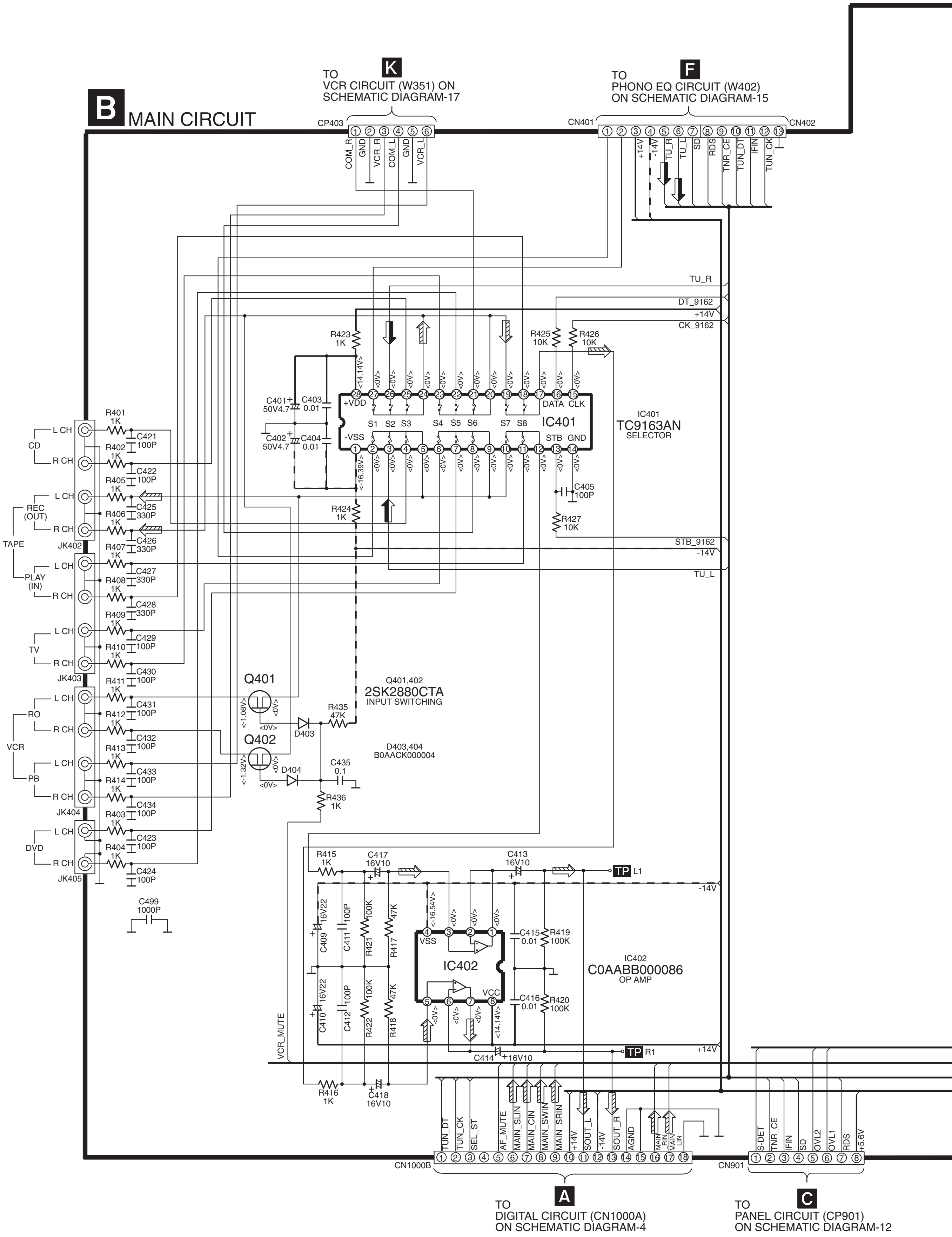
——— : +B SIGNAL LINE

⇨ : MAIN SIGNAL LINE


V_SELB
V_SELA
+14V
-14V
SW_OUT
CN356
TO L VIDEO CIRCUIT (W356) ON SCHEMATIC DIAGRAM-18
CN904B
ST9482
DT9482
CLK9482
ATT
V_SELA
V_SELB
R1943 100 SCDOUT1
R1942 100 INTREQ49
R1945 100 RST49
R1933 100 CS49
R1932 100 CCLK
R1931 100 CDIN
CD_OUT45
R1929 100 CS45
R1916 100 RST45
R1946 100 INT0
R1947 100 INT1
OVLERR45
R1928 100 CS43
R1948 100 DSP_OFF
A15
A16
SW_MUTE
A17
TO C PANEL CIRCUIT (CN904A) ON SCHEMATIC DIAGRAM-14
Q1501, 1502
2SD1915FTA
SWITCHING
<0V>
R1542 1K
<-10.41V>
<-2.0V>
Q1501
R1546 560
R1547 560
<-2.0V>
R1543 1K
<-10.38V>
<0V>
Q1502
R1544 8.2K
R1545 680K
C1543 0.01
-14V
R1706 330
R1705 330
<5.60V>
<8.14V>
Q1701
R1701 4.7
<5.01V>
<5.60V>
<7.89V>
Q1702
R1702 4.7
<5.02V>
C1701 10V3300
Q1703
<5.60V>
<9.46V>
<6.23V>
<0V>
IC1701
BA25BC0FP
REGULATOR
<4.98V>
<2.5V>
R1704 820
C1703 0.01
C1704 16V10
C1702 16V100
D1701 UDZSTE176R2B
R1703 2.7K
C1705 16V22
C1706 390P
Q1701 KTC2026 REGULATOR
Q1702 2SD2374PQAU REGULATOR
Q1703 KTC3199GRTA REGULATOR
CN702
GND
TO I SUB-TRANSFORMER CIRCUIT (W702) ON SCHEMATIC DIAGRAM-15

SCHEMATIC DIAGRAM - 9

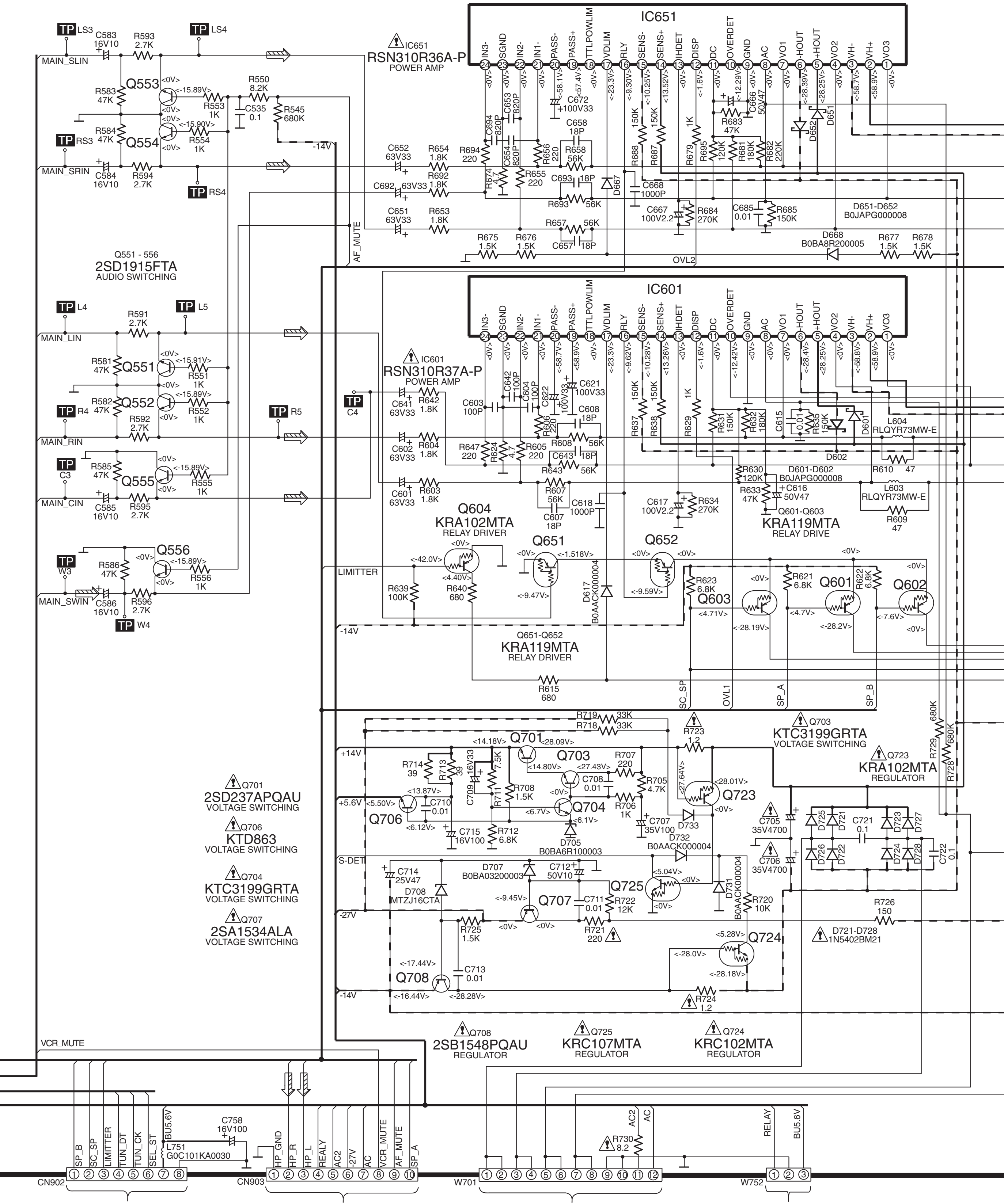
—— : +B SIGNAL LINE   – – : -B SIGNAL LINE   ➡ : FM/AM SIGNAL LINE   ▨⇨ : MAIN SIGNAL LINE


B MAIN CIRCUIT
K
TO
VCR CIRCUIT (W351) ON
SCHEMATIC DIAGRAM-17
CP403
COM_R
GND
VCR_R
COM_L
GND
VCR_L
F
TO
PHONO EQ CIRCUIT (W402)
ON SCHEMATIC DIAGRAM-15
CN401
CN402
+14V
-14V
TU_R
TU_L
SD
RDS
TNR_CE
TUN_DT
IFIN
TUN_CK
TU_R
DT_9162
+14V
CK_9162
R423
1K
R425
10K
R426
10K
C401
50V4.7
C403
0.01
C402
50V4.7
C404
0.01
+VDD
-VSS
S1 S2 S3 S4 S5 S6 S7 S8
DATA CLK
STB GND
IC401
IC401
TC9163AN
SELECTOR
<14.14V>
<-16.39V>
<0V>
C405
100P
R427
10K
R424
1K
STB_9162
-14V
TU_L
CD
L CH
R CH
R401
1K
C421
100P
R402
1K
C422
100P
R405
1K
C425
330P
R406
1K
C426
330P
REC
(OUT)
TAPE
JK402
R407
1K
C427
330P
PLAY
(IN)
R408
1K
C428
330P
TV
R409
1K
C429
100P
R410
1K
C430
100P
JK403
VCR
RO
PB
R411
1K
C431
100P
R412
1K
C432
100P
R413
1K
C433
100P
R414
1K
C434
100P
JK404
DVD
R403
1K
C423
100P
R404
1K
C424
100P
JK405
C499
1000P
Q401
Q402
<-1.08V>
<-1.32V>
<0V>
D403
D404
R435
47K
C435
0.1
R436
1K
Q401,402
2SK2880CTA
INPUT SWITCHING
D403,404
B0AACK000004
R415
1K
C417
16V10
C413
16V10
TP L1
-14V
C409
16V22
C411
100P
R421
100K
R417
47K
C410
16V22
C412
100P
R422
100K
R418
47K
VSS
VCC
IC402
<-16.54V>
<14.14V>
C415
0.01
R419
100K
C416
0.01
R420
100K
IC402
C0AABB000086
OP AMP
VCR_MUTE
C414
16V10
TP R1
+14V
R416
1K
C418
16V10
CN1000B
TUN_DT
TUN_CK
SEL_ST
AF_MUTE
MAIN_SLIN
MAIN_CIN
MAIN_SWIN
MAIN_SRIN
+14V
SOUT_L
-14V
SOUT_R
AGND
MAIN_RIN
MAIN_LIN
A
TO
DIGITAL CIRCUIT (CN1000A)
ON SCHEMATIC DIAGRAM-4
CN901
S-DET
TNR_CE
IFIN
SD
OVL2
OVL1
RDS
+5.6V
C
TO
PANEL CIRCUIT (CP901)
ON SCHEMATIC DIAGRAM-12

SCHEMATIC DIAGRAM - 10

—— : +B SIGNAL LINE   – – : -B SIGNAL LINE   ⇨ : MAIN SIGNAL LINE

B MAIN CIRCUIT


IC651
RSN310R36A-P
POWER AMP
IC601
RSN310R37A-P
POWER AMP
IN3-
SGND
IN2-
IN1-
PASS-
PASS+
TTLPOWLIM
VDLIM
RLY
SENS-
SENS+
IHDET
DISP
DC
OVERDET
GND
AC
VO1
-HOUT
+HOUT
VO2
VH-
VH+
VO3
TP LS3
TP LS4
TP RS3
TP RS4
TP L4
TP L5
TP R4
TP R5
TP C3
TP C4
TP W3
TP W4
MAIN_SLIN
MAIN_SRIN
MAIN_LIN
MAIN_RIN
MAIN_CIN
MAIN_SWIN
Q553
Q554
Q551
Q552
Q555
Q556
Q551 - 556
2SD1915FTA
AUDIO SWITCHING
AF_MUTE
LIMITTER
-14V
Q604
KRA102MTA
RELAY DRIVER
Q651
Q652
Q651-Q652
KRA119MTA
RELAY DRIVER
Q601
Q602
Q603
Q601-Q603
KRA119MTA
RELAY DRIVE
D651-D652
B0JAPG000008
D601-D602
B0JAPG000008
D668
B0BA8R200005
D617
B0AACK000004
L604
RLQYR73MW-E
L603
RLQYR73MW-E
OVL2
OVL1
SC_SP
SP_A
SP_B
Q701
2SD237APQAU
VOLTAGE SWITCHING
Q706
KTD863
VOLTAGE SWITCHING
Q704
KTC3199GRTA
VOLTAGE SWITCHING
Q707
2SA1534ALA
VOLTAGE SWITCHING
Q703
KTC3199GRTA
VOLTAGE SWITCHING
Q723
KRA102MTA
REGULATOR
Q708
2SB1548PQAU
REGULATOR
Q725
KRC107MTA
REGULATOR
Q724
KRC102MTA
REGULATOR
D721-D728
1N5402BM21
D705
B0BA6R100003
D707
B0BA03200003
D708
MTZJ16CTA
D732
B0AACK000004
D731
B0AACK000004
D733
+14V
+5.6V
S-DET
-27V
C705
35V4700
C706
35V4700
VCR_MUTE
CN902
SP_B
SC_SP
LIMITTER
TUN_DT
TUN_CK
SEL_ST
BU5.6V
C758
16V100
L751
G0C101KA0030
CN903
HP_GND
HP_R
HP_L
REALY
AC2
-27V
AC
VCR_MUTE
AF_MUTE
SP_A
W701
R730
8.2
AC2
AC
W752
RELAY
BU5.6V

TO PANEL CIRCUIT (CP902) ON SCHEMATIC DIAGRAM-12 **C**

TO PANEL CIRCUIT (CP903) ON SCHEMATIC DIAGRAM-12 **C**

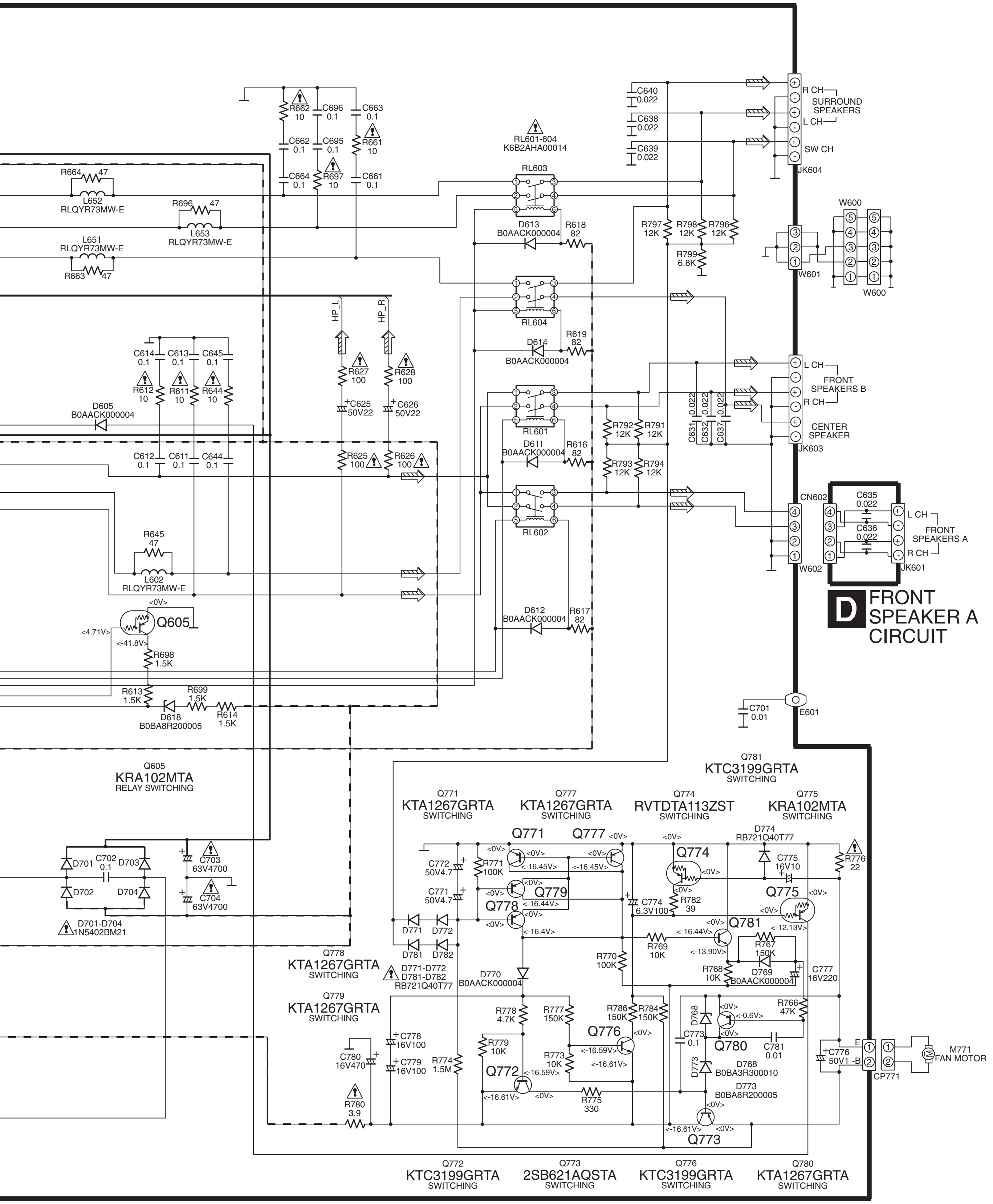
TO SUB-TRANSFORMER CIRCUIT (W701) ON SCHEMATIC DIAGRAM-15 **I**

TO TRANSFORMER CIRCUIT (W752) ON SCHEMATIC DIAGRAM-15 **H**

SCHEMATIC DIAGRAM - 11

—— : +B SIGNAL LINE - - - : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

B MAIN CIRCUIT

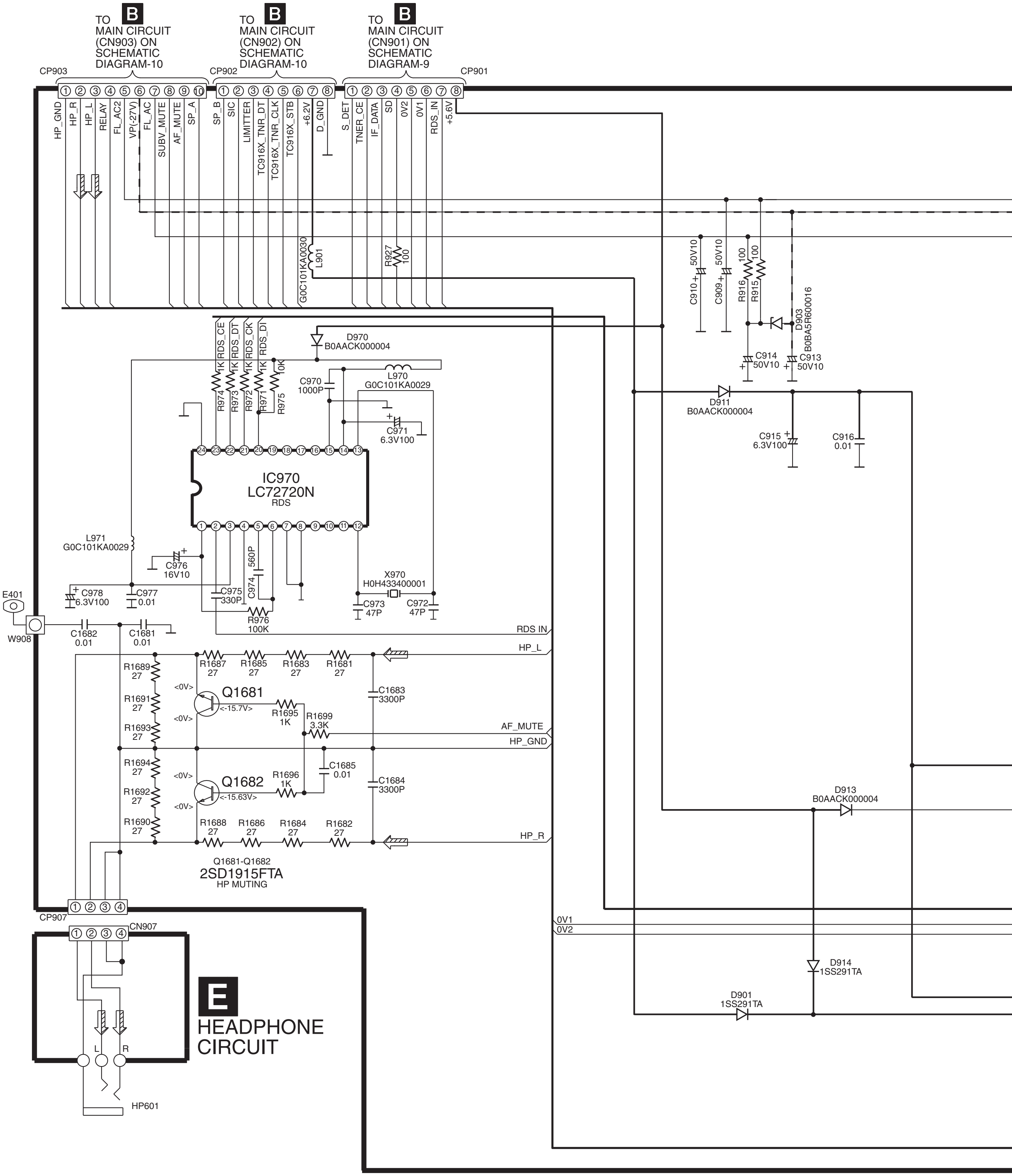


R662 10
C696 0.1
C663 0.1
C662 0.1
C695 0.1
R661 10
C664 0.1
R697 10
C661 0.1
RL601-604
K6B2AHA00014
RL603
R664 47
L652 RLQYR73MW-E
R696 47
L653 RLQYR73MW-E
L651 RLQYR73MW-E
R663 47
D613 B0AACK000004
R618 82
C640 0.022
C638 0.022
C639 0.022
R CH
SURROUND SPEAKERS
L CH
SW CH
JK604
R797 12K
R798 12K
R796 12K
R799 6.8K
W600
W601
RL604
R619 82
D614 B0AACK000004
HP_L
HP_R
R627 100
R628 100
C625 50V22
C626 50V22
C614 0.1
C613 0.1
C645 0.1
R612 10
R611 10
R644 10
D605 B0AACK000004
L CH
FRONT SPEAKERS B
R CH
CENTER SPEAKER
JK603
C631 0.022
C632 0.022
C637 0.022
R792 12K
R791 12K
R793 12K
R794 12K
RL601
D611 B0AACK000004
R616 82
C612 0.1
C611 0.1
C644 0.1
R625 100
R626 100
RL602
CN602
W602
C635 0.022
C636 0.022
L CH
FRONT SPEAKERS A
R CH
JK601
D FRONT SPEAKER A CIRCUIT
R645 47
L602 RLQYR73MW-E
<0V>
Q605
<4.71V>
<-41.8V>
R698 1.5K
D612 B0AACK000004
R617 82
R613 1.5K
R699 1.5K
D618 B0BA8R200005
R614 1.5K
C701 0.01
E601
Q605 KRA102MTA RELAY SWITCHING
Q781 KTC3199GRTA SWITCHING
Q771 KTA1267GRTA SWITCHING
Q777 KTA1267GRTA SWITCHING
Q774 RVTDTA113ZST SWITCHING
Q775 KRA102MTA SWITCHING
D701
C702 0.1
D703
D702
D704
C703 63V4700
C704 63V4700
D701-D704 1N5402BM21
Q771
Q777
Q774
D774 RB721Q40T77
C772 50V4.7
R771 100K
<-16.45V>
C775 16V10
R776 22
C771 50V4.7
Q779
Q778
<-16.44V>
C774 6.3V100
R782 39
Q775
<-16.4V>
Q781
<-12.13V>
D771
D772
D781
D782
R769 10K
<-13.90V>
R767 150K
R770 100K
R768 10K
D769 B0AACK000004
C777 16V220
Q778 KTA1267GRTA SWITCHING
D771-D772 D781-D782 RB721Q40T77
D770 B0AACK000004
Q779 KTA1267GRTA SWITCHING
R778 4.7K
R777 150K
R786 150K
R784 150K
D768
R766 47K
<-0.6V>
C773 0.1
Q776
C781 0.01
Q780
R779 10K
<-16.59V>
<-16.61V>
R773 10K
D773
D768 B0BA3R300010
D773 B0BA8R200005
C778 16V100
C780 16V470
C779 16V100
R774 1.5M
Q772
R775 330
R780 3.9
Q773
C776 50V1 -B
E
CP771
M771 FAN MOTOR
Q772 KTC3199GRTA SWITCHING
Q773 2SB621AQSTA SWITCHING
Q776 KTC3199GRTA SWITCHING
Q780 KTA1267GRTA SWITCHING

SCHEMATIC DIAGRAM - 12

— : +B SIGNAL LINE   - - : -B SIGNAL LINE   ⇨ : MAIN SIGNAL LINE

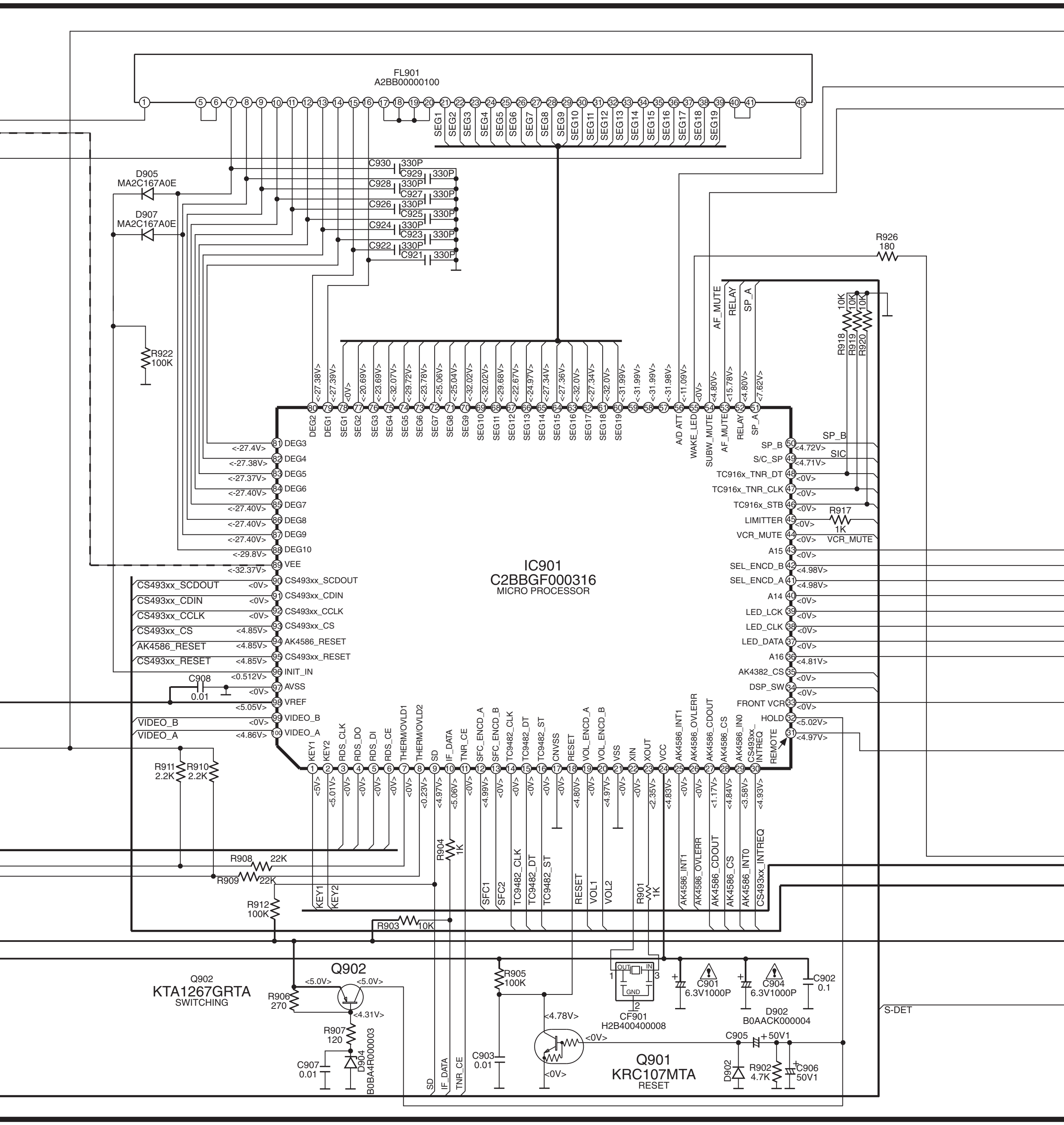
C PANEL CIRCUIT


TO B MAIN CIRCUIT (CN903) ON SCHEMATIC DIAGRAM-10
TO B MAIN CIRCUIT (CN902) ON SCHEMATIC DIAGRAM-10
TO B MAIN CIRCUIT (CN901) ON SCHEMATIC DIAGRAM-9
CP903
CP902
CP901
HP_GND
HP_R
HP_L
RELAY
FL_AC2
VP(-27V)
FL_AC
SUBV_MUTE
AF_MUTE
SP_A
SP_B
SIC
LIMITTER
TC916X_TNR_DT
TC916X_TNR_CLK
TC916X_STB
+6.2V
D_GND
S_DET
TNER_CE
IF_DATA
SD
0V2
0V1
RDS_IN
+5.6V
L901
G0C101KA0030
R927
100
C910
50V10
C909
50V10
R916
100
R915
100
D903
B0BA5R600016
C914
50V10
C913
50V10
D970
B0AACK000004
RDS_CE
RDS_DT
RDS_CK
RDS_DI
R974 1K
R973 1K
R972 1K
R971 1K
R975 10K
C970
1000P
L970
G0C101KA0029
C971
6.3V100
D911
B0AACK000004
C915
6.3V100
C916
0.01
IC970
LC72720N
RDS
L971
G0C101KA0029
C976
16V10
C974
560P
X970
H0H433400001
E401
W908
C978
6.3V100
C977
0.01
C975
330P
R976
100K
C973
47P
C972
47P
C1682
0.01
C1681
0.01
RDS IN
HP_L
R1687 27
R1685 27
R1683 27
R1681 27
R1689 27
R1691 27
R1693 27
<0V>
Q1681
<-15.7V>
R1695 1K
R1699 3.3K
C1683 3300P
AF_MUTE
HP_GND
R1694 27
R1692 27
R1690 27
Q1682
<-15.63V>
R1696 1K
C1685 0.01
C1684 3300P
D913
B0AACK000004
R1688 27
R1686 27
R1684 27
R1682 27
HP_R
Q1681-Q1682
2SD1915FTA
HP MUTING
CP907
CN907
0V1
0V2
D914
1SS291TA
D901
1SS291TA
E
HEADPHONE CIRCUIT
L
R
HP601

SCHEMATIC DIAGRAM - 13

—— : +B SIGNAL LINE – – : -B SIGNAL LINE

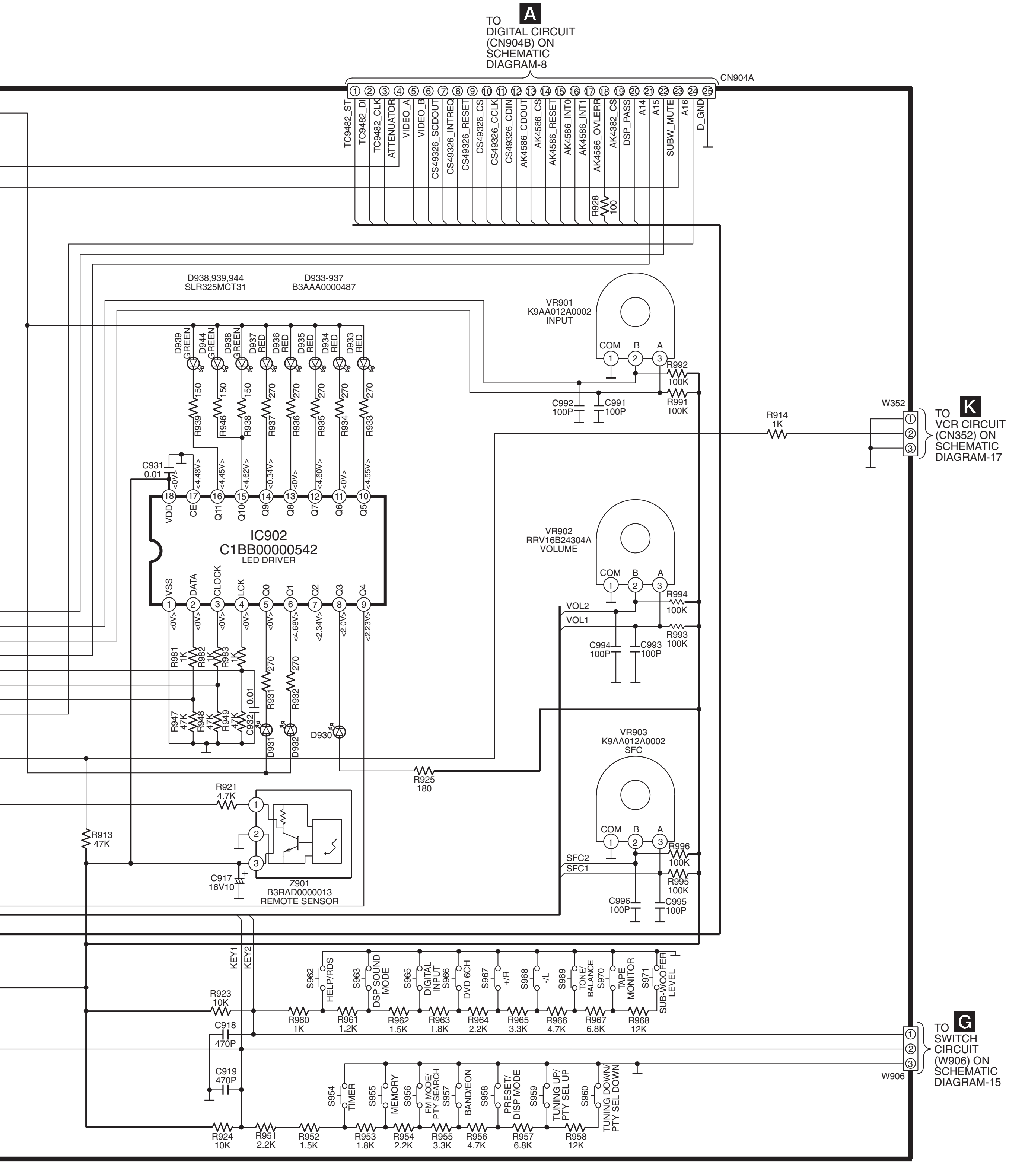
C PANEL CIRCUIT


FL901
A2BB00000100
SEG1 SEG2 SEG3 SEG4 SEG5 SEG6 SEG7 SEG8 SEG9 SEG10 SEG11 SEG12 SEG13 SEG14 SEG15 SEG16 SEG17 SEG18 SEG19
C930 330P
C929 330P
C928 330P
C927 330P
C926 330P
C925 330P
C924 330P
C923 330P
C922 330P
C921 330P
D905
MA2C167A0E
D907
MA2C167A0E
R922
100K
R926
180
R918 10K
R919 10K
R920 10K
AF_MUTE
RELAY
SP_A
IC901
C2BBGF000316
MICRO PROCESSOR
DEG2 DEG1 SEG1 SEG2 SEG3 SEG4 SEG5 SEG6 SEG7 SEG8 SEG9 SEG10 SEG11 SEG12 SEG13 SEG14 SEG15 SEG16 SEG17 SEG18 SEG19
A/D ATT
WAKE_LED
SUBW_MUTE
AF_MUTE
RELAY
SP_A
<-27.38V> <-27.39V> <0V> <-20.69V> <-23.69V> <-32.07V> <-29.72V> <-23.78V> <-25.06V> <-25.04V> <-32.02V> <-32.02V> <-29.68V> <-22.67V> <-24.97V> <-27.34V> <-27.36V> <-32.0V> <-27.34V> <-32.0V> <-31.99V> <-31.99V> <-31.99V> <-31.98V> <-11.09V> <0V> <4.80V> <15.78V> <4.80V> <7.62V>
81 DEG3 <-27.4V>
82 DEG4 <-27.38V>
83 DEG5 <-27.37V>
84 DEG6 <-27.40V>
85 DEG7 <-27.40V>
86 DEG8 <-27.40V>
87 DEG9 <-27.40V>
88 DEG10 <-29.8V>
89 VEE <-32.37V>
90 CS493xx_SCDOUT <0V>
91 CS493xx_CDIN <0V>
92 CS493xx_CCLK <0V>
93 CS493xx_CS <4.85V>
94 AK4586_RESET <4.85V>
95 CS493xx_RESET <4.85V>
96 INIT_IN <0.512V>
97 AVSS <0V>
98 VREF <5.05V>
99 VIDEO_B <0V>
100 VIDEO_A <4.86V>
CS493xx_SCDOUT
CS493xx_CDIN
CS493xx_CCLK
CS493xx_CS
AK4586_RESET
CS493xx_RESET
C908
0.01
VIDEO_B
VIDEO_A
50 SP_B <4.72V>
49 S/C_SP <4.71V>
48 TC916x_TNR_DT <0V>
47 TC916x_TNR_CLK <0V>
46 TC916x_STB <0V>
45 LIMITTER <0V>
44 VCR_MUTE <0V>
43 A15 <0V>
42 SEL_ENCD_B <4.98V>
41 SEL_ENCD_A <4.98V>
40 A14 <0V>
39 LED_LCK <0V>
38 LED_CLK <0V>
37 LED_DATA <0V>
36 A16 <4.81V>
35 AK4382_CS <0V>
34 DSP_SW <0V>
33 FRONT VCR <0V>
32 HOLD <5.02V>
31 REMOTE <4.97V>
SP_B
SIC
R917
1K
VCR_MUTE
KEY1 KEY2 RDS_CLK RDS_DO RDS_DI RDS_CE THERM/OVLD1 THERM/OVLD2 SD IF_DATA TNR_CE SFC_ENCD_A SFC_ENCD_B TC9482_CLK TC9482_DT TC9482_ST CNVSS RESET VOL_ENCD_A VOL_ENCD_B VSS XIN XOUT VCC AK4586_INT1 AK4586_OVLERR AK4586_CDOUT AK4586_CS AK4586_IN0 CS493xx_INTREQ
<5V> <5.01V> <0V> <0V> <0V> <0V> <0V> <0.23V> <4.97V> <5.06V> <0V> <4.99V> <0V> <0V> <0V> <0V> <0V> <4.80V> <0V> <4.97V> <0V> <0V> <2.35V> <4.83V> <0V> <0V> <1.17V> <4.84V> <3.58V> <4.93V>
R911 2.2K
R910 2.2K
R908 22K
R909 22K
R912 100K
R904 1K
R903 10K
KEY1 KEY2
SFC1 SFC2 TC9482_CLK TC9482_DT TC9482_ST RESET VOL1 VOL2
R901 1K
AK4586_INT1 AK4586_OVLERR AK4586_CDOUT AK4586_CS AK4586_INT0 CS493xx_INTREQ
Q902
KTA1267GRTA
SWITCHING
Q902
<5.0V> <5.0V>
<4.31V>
R906 270
R907 120
D904 B0BA4R000003
C907 0.01
SD IF_DATA TNR_CE
R905 100K
C903 0.01
<4.78V>
<0V>
<0V>
Q901
KRC107MTA
RESET
CF901
H2B400400008
OUT IN GND
1 2 3
C901 6.3V1000P
C904 6.3V1000P
C902 0.1
D902
B0AACK000004
C905 50V1
D902
R902 4.7K
C906 50V1
S-DET

SCHEMATIC DIAGRAM - 14

— : +B SIGNAL LINE

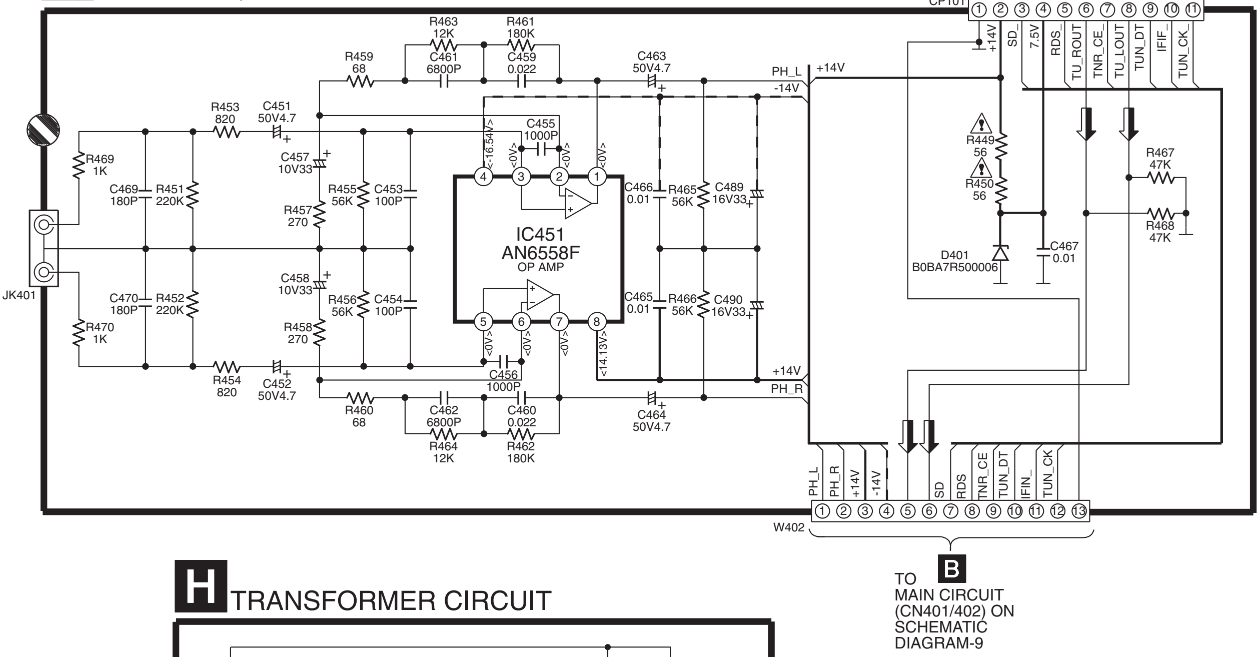
C PANEL CIRCUIT


TO A
DIGITAL CIRCUIT
(CN904B) ON
SCHEMATIC
DIAGRAM-8
CN904A
TC9482_ST
TC9482_DI
TC9482_CLK
ATTENUATOR
VIDEO_A
VIDEO_B
CS49326_SCDOUT
CS49326_INTREQ
CS49326_RESET
CS49326_CS
CS49326_CCLK
CS49326_CDIN
AK4586_CDOUT
AK4586_CS
AK4586_RESET
AK4586_INT0
AK4586_INT1
AK4586_OVLERR
AK4382_CS
DSP_PASS
A14
A15
SUBW_MUTE
A16
D_GND
R928 100
D938,939,944
SLR325MCT31
D933-937
B3AAA0000487
D939 GREEN
D944 GREEN
D938 GREEN
D937 RED
D936 RED
D935 RED
D934 RED
D933 RED
R939 150
R946 150
R938 150
R937 270
R936 270
R935 270
R934 270
R933 270
C931 0.01
<0V>
<4.43V>
<4.45V>
<4.62V>
<0.34V>
<0V>
<4.60V>
<0V>
<4.55V>
VDD
CE
Q11
Q10
Q9
Q8
Q7
Q6
Q5
IC902
C1BB00000542
LED DRIVER
VSS
DATA
CLOCK
LCK
Q0
Q1
Q2
Q3
Q4
<0V>
<0V>
<0V>
<0V>
<0V>
<4.68V>
<2.34V>
<2.0V>
<2.23V>
R981 1K
R982 1K
R983 1K
R931 270
R932 270
R947 47K
R948 47K
R949 47K
C932 0.01
D931
D932
D930
R925 180
R921 4.7K
R913 47K
C917 16V10
Z901
B3RAD0000013
REMOTE SENSOR
VR901
K9AA012A0002
INPUT
COM B A
R992 100K
R991 100K
C992 100P
C991 100P
R914 1K
W352
TO K
VCR CIRCUIT
(CN352) ON
SCHEMATIC
DIAGRAM-17
VR902
RRV16B24304A
VOLUME
COM B A
VOL2
VOL1
R994 100K
R993 100K
C994 100P
C993 100P
VR903
K9AA012A0002
SFC
COM B A
SFC2
SFC1
R996 100K
R995 100K
C996 100P
C995 100P
KEY1
KEY2
S962 HELP/RDS
S963 DSP SOUND MODE
S965 DIGITAL INPUT
S966 DVD 6CH
S967 +/R
S968 -/L
S969 TONE/ BALANCE
S970 TAPE MONITOR
S971 SUB-WOOFER LEVEL
R923 10K
R960 1K
R961 1.2K
R962 1.5K
R963 1.8K
R964 2.2K
R965 3.3K
R966 4.7K
R967 6.8K
R968 12K
C918 470P
C919 470P
TO G
SWITCH
CIRCUIT
(W906) ON
SCHEMATIC
DIAGRAM-15
W906
S954 TIMER
S955 MEMORY
S956 FM MODE/ PTY SEARCH
S957 BAND/EON
S958 PRESET/ DISP MODE
S959 TUNING UP/ PTY SEL UP
S960 TUNING DOWN/ PTY SEL DOWN
R924 10K
R951 2.2K
R952 1.5K
R953 1.8K
R954 2.2K
R955 3.3K
R956 4.7K
R957 6.8K
R958 12K

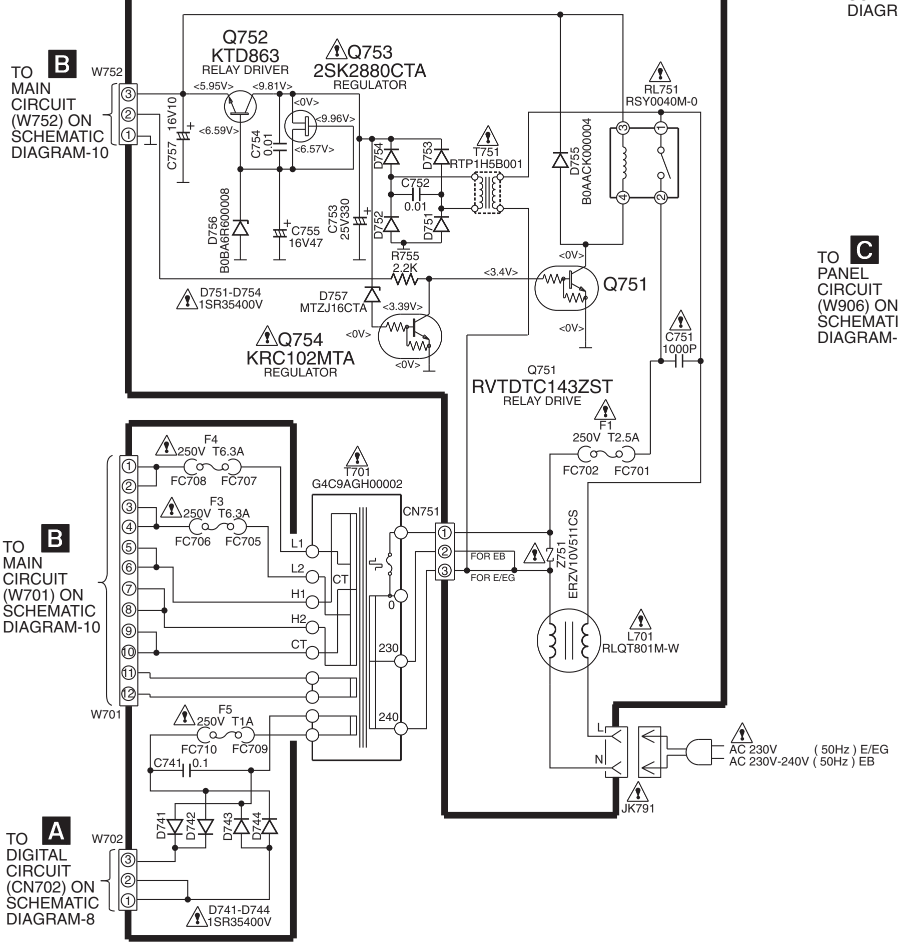
SCHEMATIC DIAGRAM - 15

—— : +B SIGNAL LINE   – – : -B SIGNAL LINE   ⇨ : FM/AM SIGNAL LINE

F PHONO EQ CIRCUIT

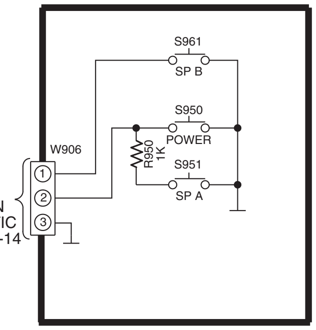

TO
TUNER PACK
Z101 (RAN0002EM)
CP101
+14V
SD_
7.5V
RDS_
TU_ROUT
TNR_CE_
TU_LOUT
TUN_DT
IFIF_
TUN_CK_
JK401
R469 1K
R470 1K
C469 180P
R451 220K
C470 180P
R452 220K
R453 820
C451 50V4.7
R454 820
C452 50V4.7
C457 10V33
R457 270
C458 10V33
R458 270
R459 68
R460 68
R463 12K
C461 6800P
R461 180K
C459 0.022
R464 12K
C462 6800P
R462 180K
C460 0.022
R455 56K
C453 100P
R456 56K
C454 100P
C455 1000P
C456 1000P
IC451
AN6558F
OP AMP
<-16.54V>
<0V>
<14.13V>
C463 50V4.7
C464 50V4.7
C466 0.01
C465 0.01
R465 56K
R466 56K
C489 16V33
C490 16V33
PH_L
PH_R
+14V
-14V
R449 56
R450 56
D401 B0BA7R500006
C467 0.01
R467 47K
R468 47K
PH_L
PH_R
+14V
-14V
SD
RDS
TNR_CE
TUN_DT
IFIN_
TUN_CK
W402
TO B
MAIN CIRCUIT
(CN401/402) ON
SCHEMATIC
DIAGRAM-9

H TRANSFORMER CIRCUIT

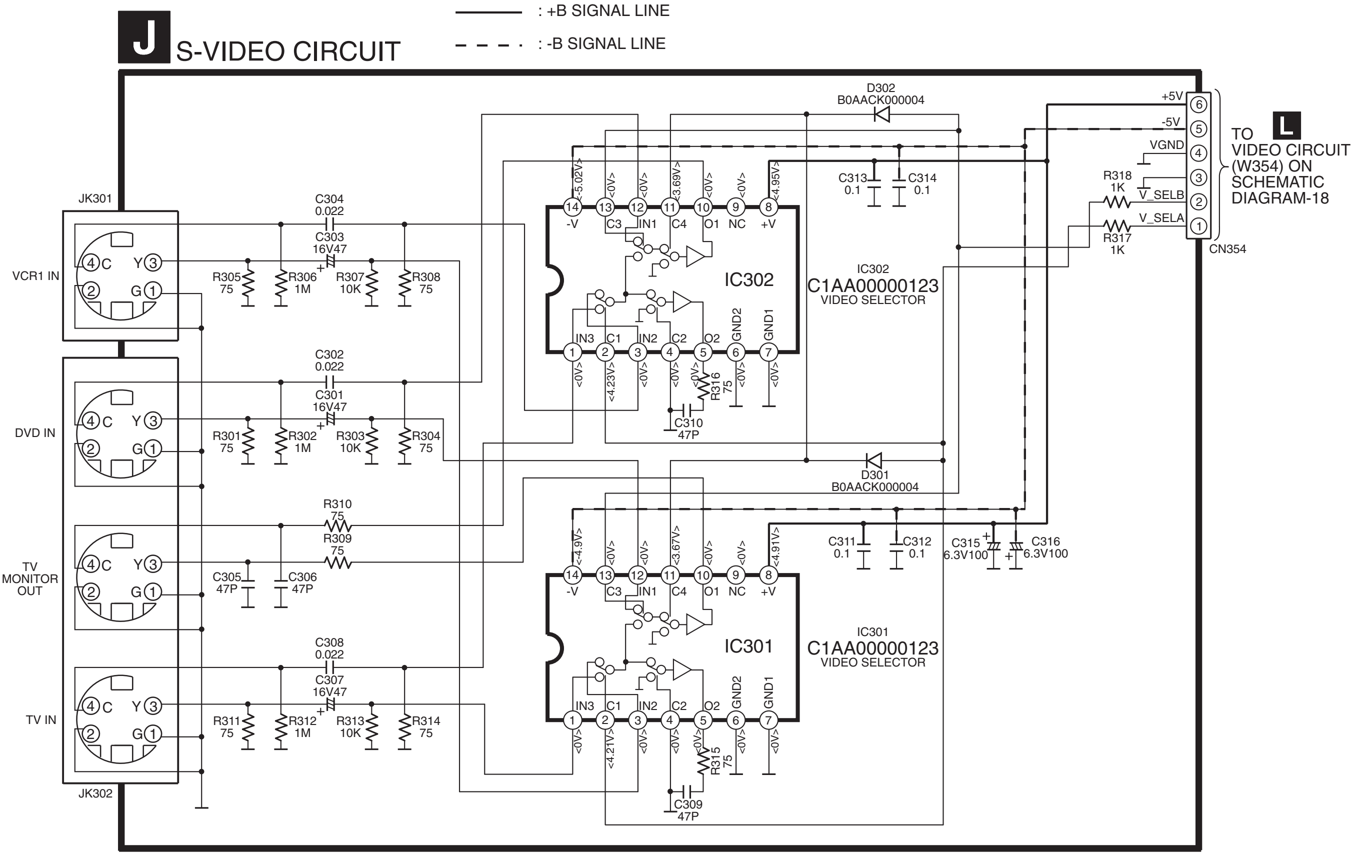

TO B
MAIN
CIRCUIT
(W752) ON
SCHEMATIC
DIAGRAM-10
W752
Q752
KTD863
RELAY DRIVER
<5.95V>
<9.81V>
<6.59V>
Q753
2SK2880CTA
REGULATOR
<0V>
<9.96V>
<6.57V>
C757 16V10
C754 0.01
D756 B0BA6R600008
C755 16V47
C753 25V330
D754
D753
D752
D751
C752 0.01
T751
RTP1H5B001
R755 2.2K
D757
MTZJ16CTA
<3.39V>
<3.4V>
D751-D754
1SR35400V
Q754
KRC102MTA
REGULATOR
<0V>
D755
B0AACK000004
RL751
RSY0040M-0
Q751
RVTDTC143ZST
RELAY DRIVE
C751 1000P
F1
250V T2.5A
FC702
FC701
F4
250V T6.3A
FC708
FC707
F3
250V T6.3A
FC706
FC705
T701
G4C9AGH00002
L1
L2
H1
H2
CT
CT
0
230
240
CN751
FOR EB
FOR E/EG
Z751
ERZV10V511CS
L701
RLQT801M-W
TO B
MAIN
CIRCUIT
(W701) ON
SCHEMATIC
DIAGRAM-10
W701
F5
250V T1A
FC710
FC709
C741 0.1
D741
D742
D743
D744
TO A
DIGITAL
CIRCUIT
(CN702) ON
SCHEMATIC
DIAGRAM-8
W702
D741-D744
1SR35400V
L
N
JK791
AC 230V (50Hz) E/EG
AC 230V-240V (50Hz) EB

I SUB-TRANSFORMER CIRCUIT

G SWITCH CIRCUIT

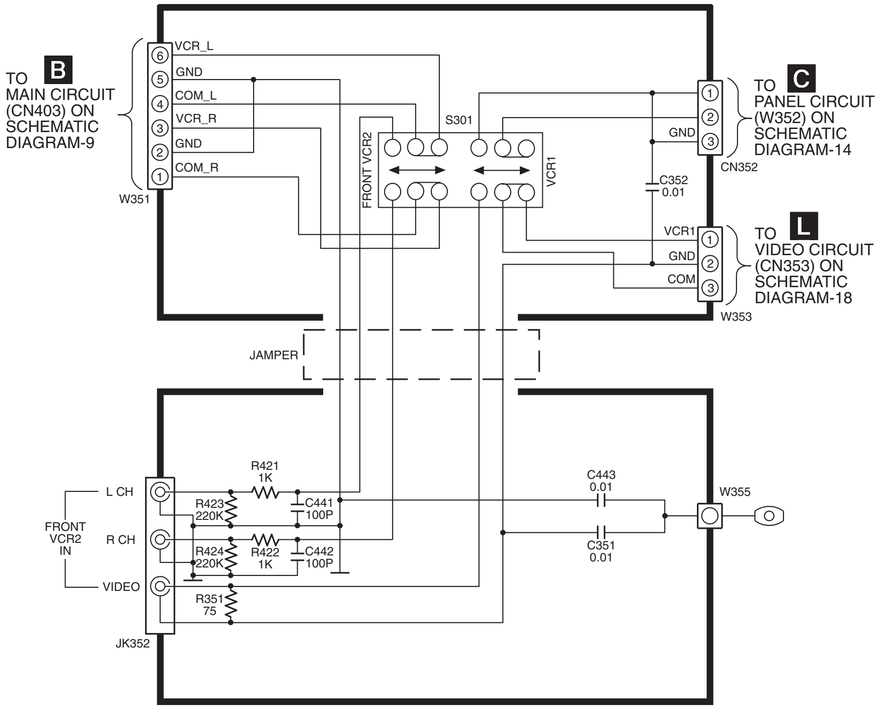

TO C
PANEL
CIRCUIT
(W906) ON
SCHEMATIC
DIAGRAM-14
W906
S961
SP B
S950
POWER
R950 1K
S951
SP A

SCHEMATIC DIAGRAM-16


: +B SIGNAL LINE
: -B SIGNAL LINE
J
S-VIDEO CIRCUIT
JK301
VCR1 IN
DVD IN
TV MONITOR OUT
TV IN
JK302
C
Y
G
C304 0.022
C303 16V47
R305 75
R306 1M
R307 10K
R308 75
C302 0.022
C301 16V47
R301 75
R302 1M
R303 10K
R304 75
R310 75
R309 75
C305 47P
C306 47P
C308 0.022
C307 16V47
R311 75
R312 1M
R313 10K
R314 75
D302 B0AACK000004
D301 B0AACK000004
C313 0.1
C314 0.1
C311 0.1
C312 0.1
C315 6.3V100
C316 6.3V100
IC302
C1AA00000123
VIDEO SELECTOR
IC301
C1AA00000123
VIDEO SELECTOR
-V
C3
IN1
C4
O1
NC
+V
IN3
C1
IN2
C2
O2
GND2
GND1
<-5.02V>
<3.69V>
<4.95V>
<4.23V>
<-4.9V>
<3.67V>
<4.91V>
<4.21V>
<0V>
R316 75
C310 47P
R315 75
C309 47P
+5V
-5V
VGND
V_SELB
V_SELA
R318 1K
R317 1K
CN354
TO
L
VIDEO CIRCUIT (W354) ON SCHEMATIC DIAGRAM-18

SCHEMATIC DIAGRAM-17

K VCR CIRCUIT

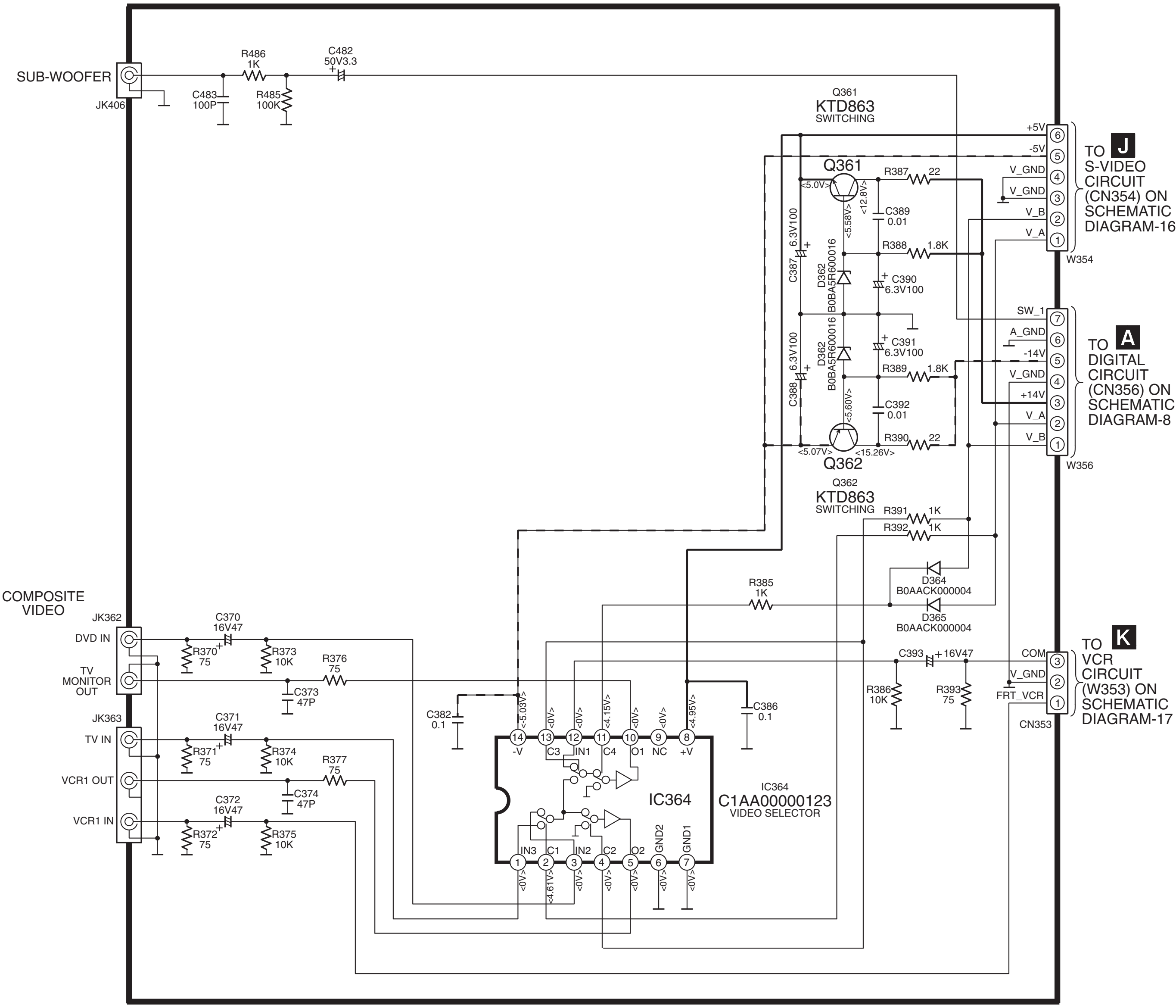

TO B
MAIN CIRCUIT
(CN403) ON
SCHEMATIC
DIAGRAM-9
W351
6 VCR_L
5 GND
4 COM_L
3 VCR_R
2 GND
1 COM_R
S301
FRONT VCR2
VCR1
TO C
PANEL CIRCUIT
(W352) ON
SCHEMATIC
DIAGRAM-14
CN352
GND
C352
0.01
TO L
VIDEO CIRCUIT
(CN353) ON
SCHEMATIC
DIAGRAM-18
VCR1
GND
COM
W353
JAMPER
FRONT
VCR2
IN
L CH
R CH
VIDEO
JK352
R421
1K
R423
220K
C441
100P
R424
220K
R422
1K
C442
100P
R351
75
C443
0.01
C351
0.01
W355

SCHEMATIC DIAGRAM-18

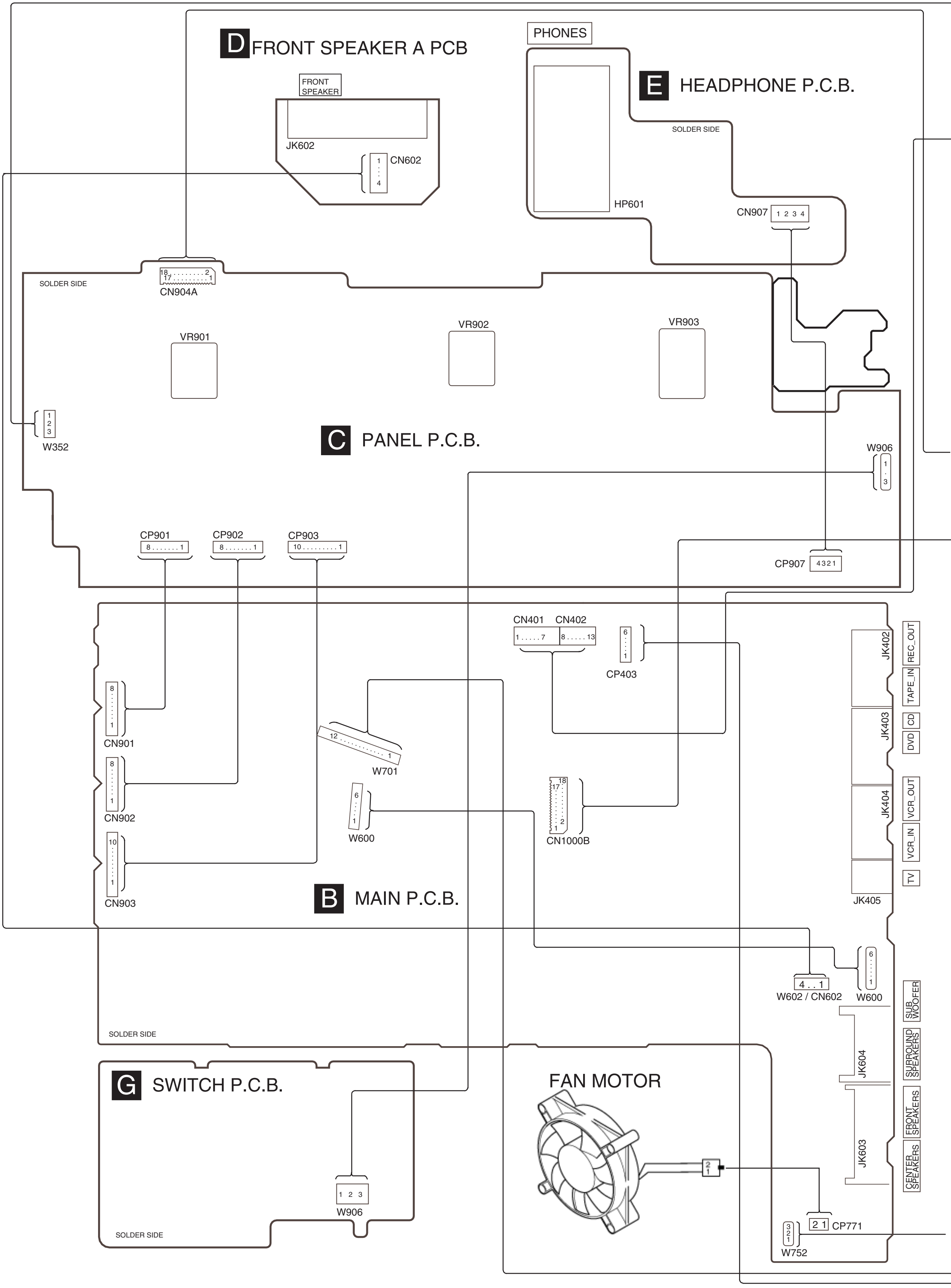
L VIDEO CIRCUIT

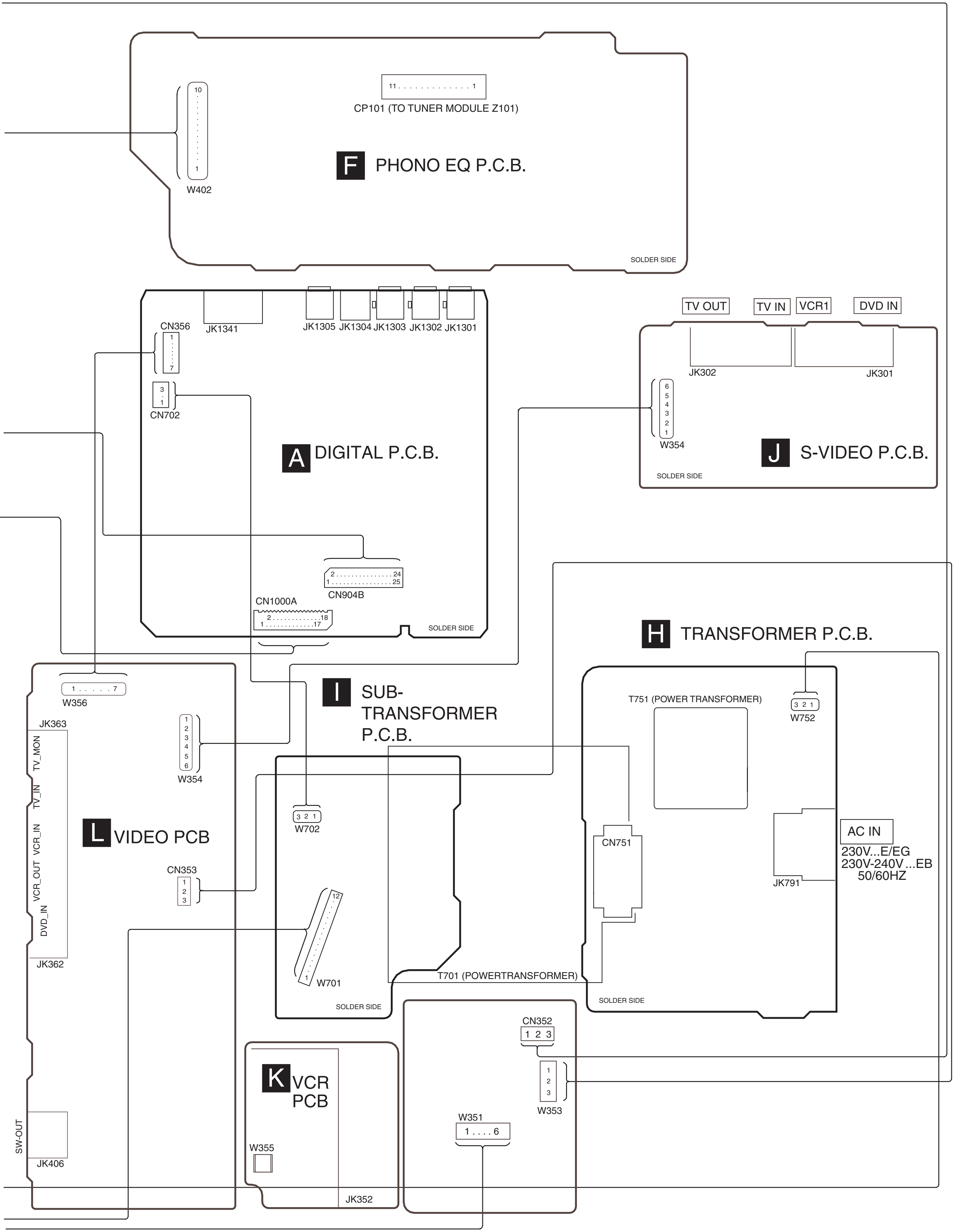
———— : +B SIGNAL LINE

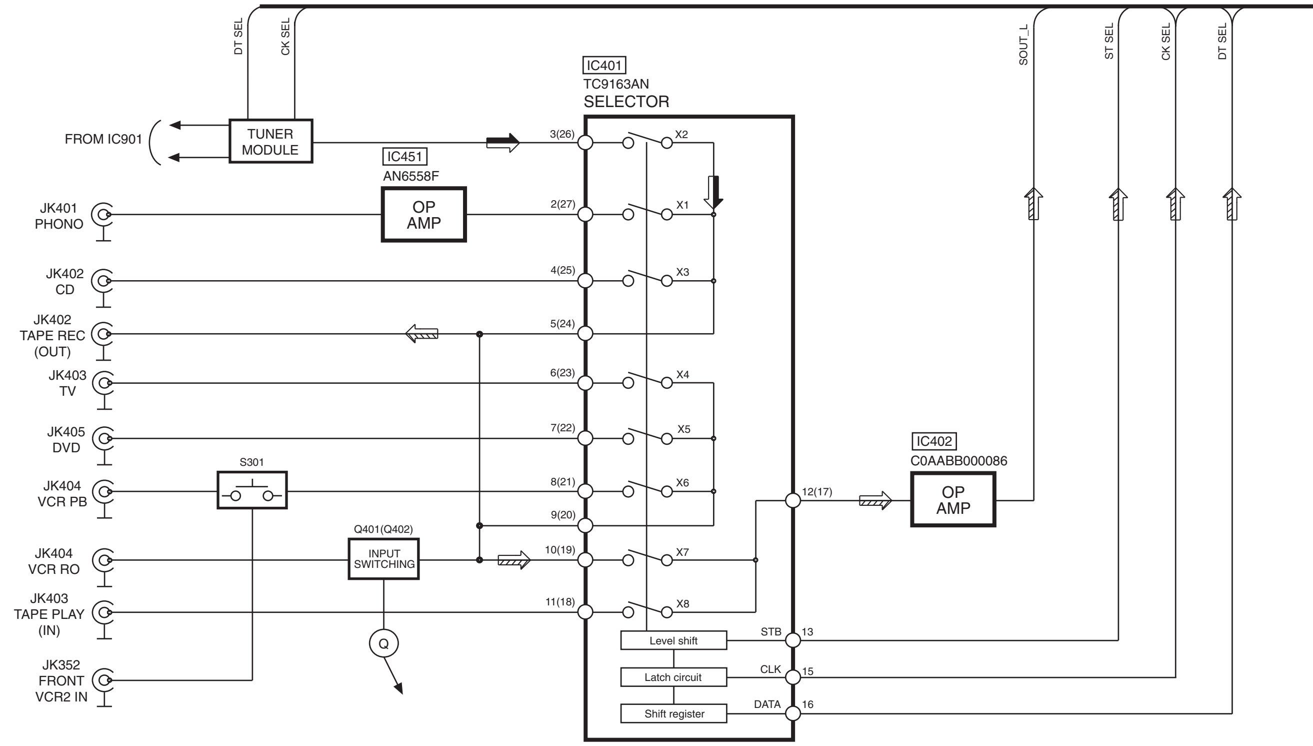
– – – – : -B SIGNAL LINE

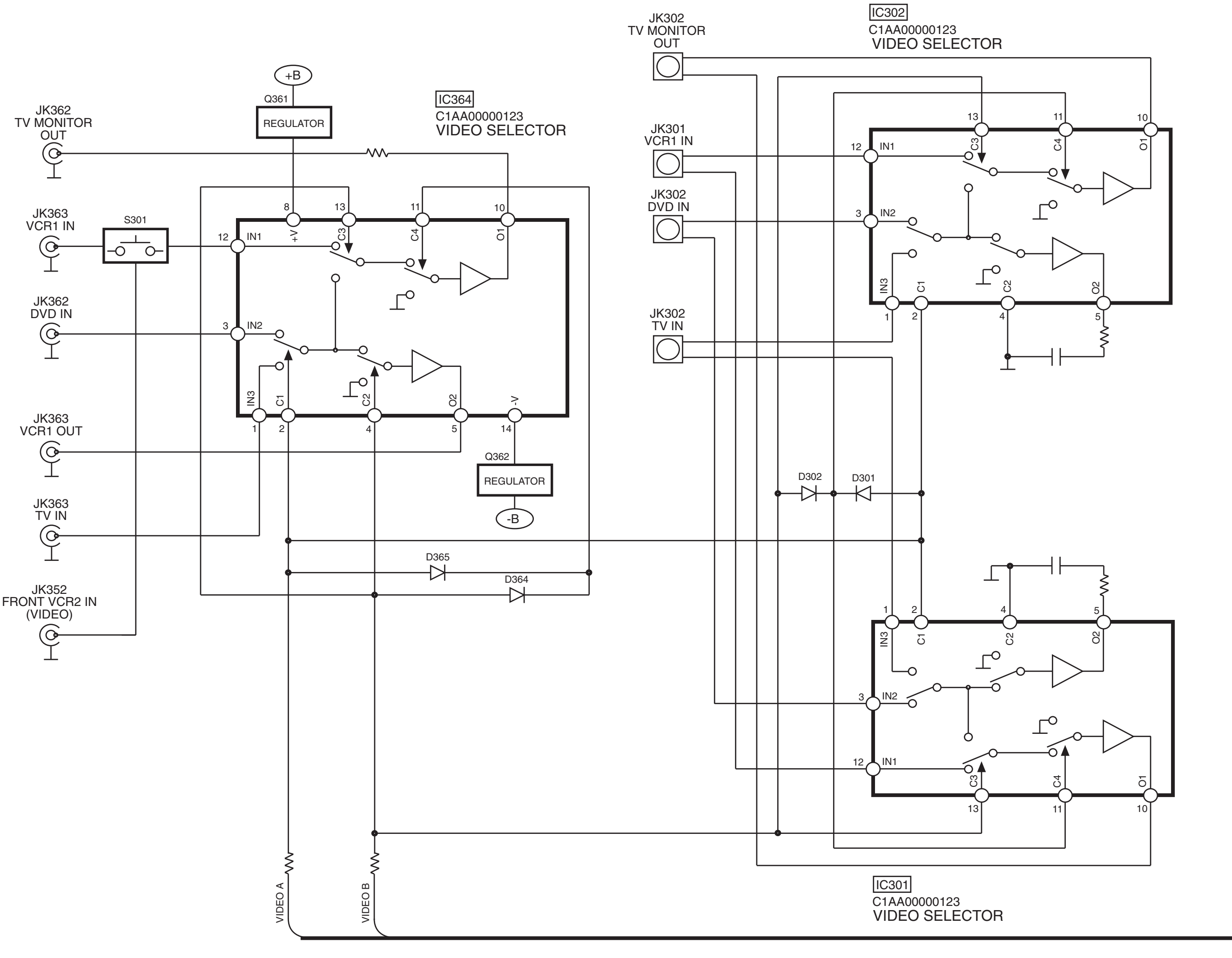


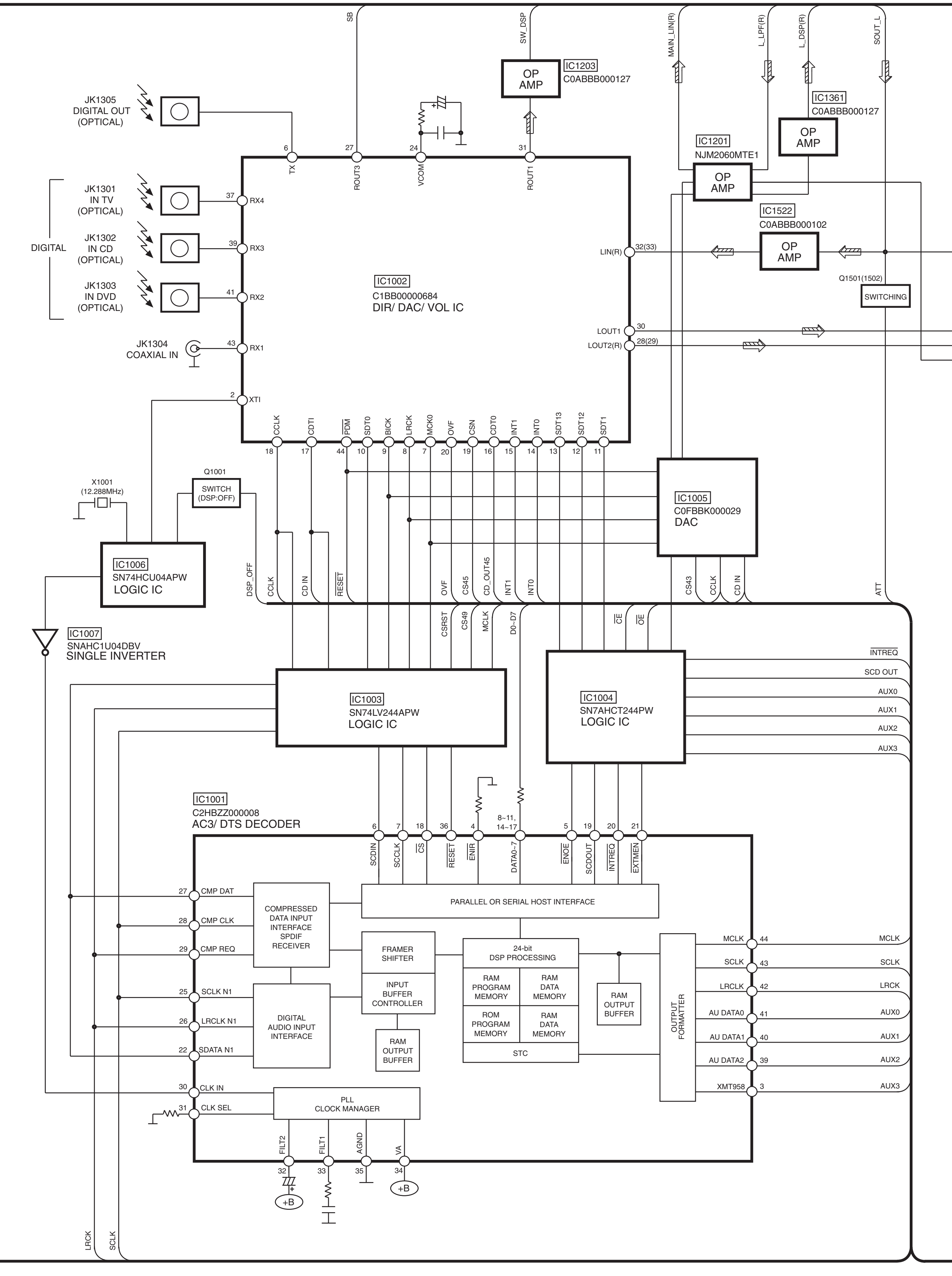
SUB-WOOFER
JK406
R486
1K
C482
50V3.3
C483
100P
R485
100K
Q361
KTD863
SWITCHING
Q361
<5.0V>
<12.8V>
<5.58V>
R387
22
C389
0.01
C387
6.3V100
D362
B0BA5R600016
R388
1.8K
C390
6.3V100
C391
6.3V100
C388
6.3V100
R389
1.8K
<5.60V>
C392
0.01
R390
22
<5.07V>
<15.26V>
Q362
Q362
KTD863
SWITCHING
+5V
-5V
V_GND
V_GND
V_B
V_A
TO J
S-VIDEO
CIRCUIT
(CN354) ON
SCHEMATIC
DIAGRAM-16
W354
SW_1
A_GND
-14V
V_GND
+14V
V_A
V_B
TO A
DIGITAL
CIRCUIT
(CN356) ON
SCHEMATIC
DIAGRAM-8
W356
R391
1K
R392
1K
D364
B0AACK000004
D365
B0AACK000004
R385
1K
COMPOSITE
VIDEO
JK362
DVD IN
TV
MONITOR
OUT
C370
16V47
R370
75
R373
10K
R376
75
C373
47P
JK363
TV IN
VCR1 OUT
VCR1 IN
C371
16V47
R371
75
R374
10K
R377
75
C374
47P
C372
16V47
R372
75
R375
10K
C382
0.1
C386
0.1
<-5.03V>
<0V>
<0V>
<4.15V>
<0V>
<0V>
<4.95V>
14 -V
13 C3
12 IN1
11 C4
10 O1
9 NC
8 +V
IC364
IC364
C1AA00000123
VIDEO SELECTOR
1 IN3
2 C1
3 IN2
4 C2
5 O2
6 GND2
7 GND1
<0V>
<4.61V>
<0V>
<0V>
<0V>
<0V>
<0V>
C393
16V47
R386
10K
R393
75
COM
V_GND
FRT_VCR
CN353
TO K
VCR
CIRCUIT
(W353) ON
SCHEMATIC
DIAGRAM-17


D FRONT SPEAKER A PCB
FRONT SPEAKER
JK602
CN602
1
4
PHONES
E HEADPHONE P.C.B.
SOLDER SIDE
HP601
CN907 1 2 3 4
SOLDER SIDE
18 2
17 1
CN904A
VR901
VR902
VR903
1 2 3
W352
C PANEL P.C.B.
W906
1
3
CP901 8 1
CP902 8 1
CP903 10 1
CP907 4 3 2 1
CN401 CN402
1 7
8 13
6
1
CP403
JK402
REC_OUT
TAPE_IN
JK403
CD
DVD
JK404
VCR_OUT
VCR_IN
TV
JK405
8
1
CN901
12
1
W701
8
1
CN902
6
1
W600
18
17
2
1
CN1000B
10
1
CN903
B MAIN P.C.B.
4 1
W602 / CN602
6
1
W600
SOLDER SIDE
SUB WOOFER
SURROUND SPEAKERS
JK604
FRONT SPEAKERS
JK603
CENTER SPEAKERS
G SWITCH P.C.B.
1 2 3
W906
SOLDER SIDE
FAN MOTOR
2
1
2 1 CP771
3
2
1
W752

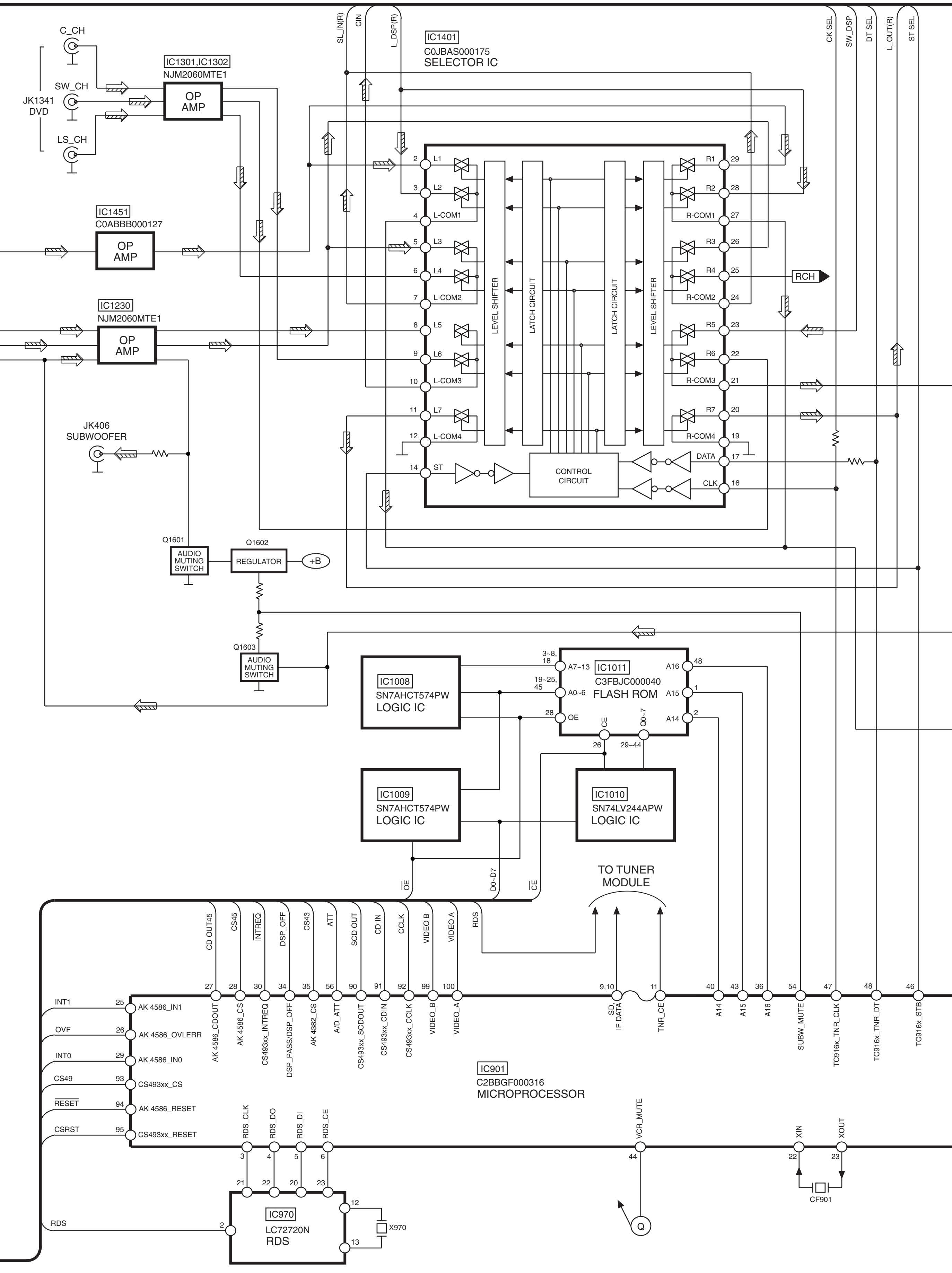

11 1
CP101 (TO TUNER MODULE Z101)
10
1
W402
F PHONO EQ P.C.B.
SOLDER SIDE
JK1341
JK1305
JK1304
JK1303
JK1302
JK1301
CN356
1
7
3
1
CN702
A DIGITAL P.C.B.
2 24
1 25
CN904B
CN1000A
2 18
1 17
SOLDER SIDE
TV OUT
TV IN
VCR1
DVD IN
JK302
JK301
6
5
4
3
2
1
W354
J S-VIDEO P.C.B.
SOLDER SIDE
H TRANSFORMER P.C.B.
T751 (POWER TRANSFORMER)
3 2 1
W752
CN751
AC IN
230V...E/EG
230V-240V ...EB
50/60HZ
JK791
T701 (POWERTRANSFORMER)
SOLDER SIDE
I SUB-TRANSFORMER P.C.B.
3 2 1
W702
12
1
W701
SOLDER SIDE
1 7
W356
JK363
TV_MON
TV_IN
VCR_IN
VCR_OUT
DVD_IN
JK362
1
2
3
4
5
6
W354
L VIDEO PCB
CN353
1
2
3
SW-OUT
JK406
K VCR PCB
W355
JK352
CN352
1 2 3
1
2
3
W353
W351
1 6

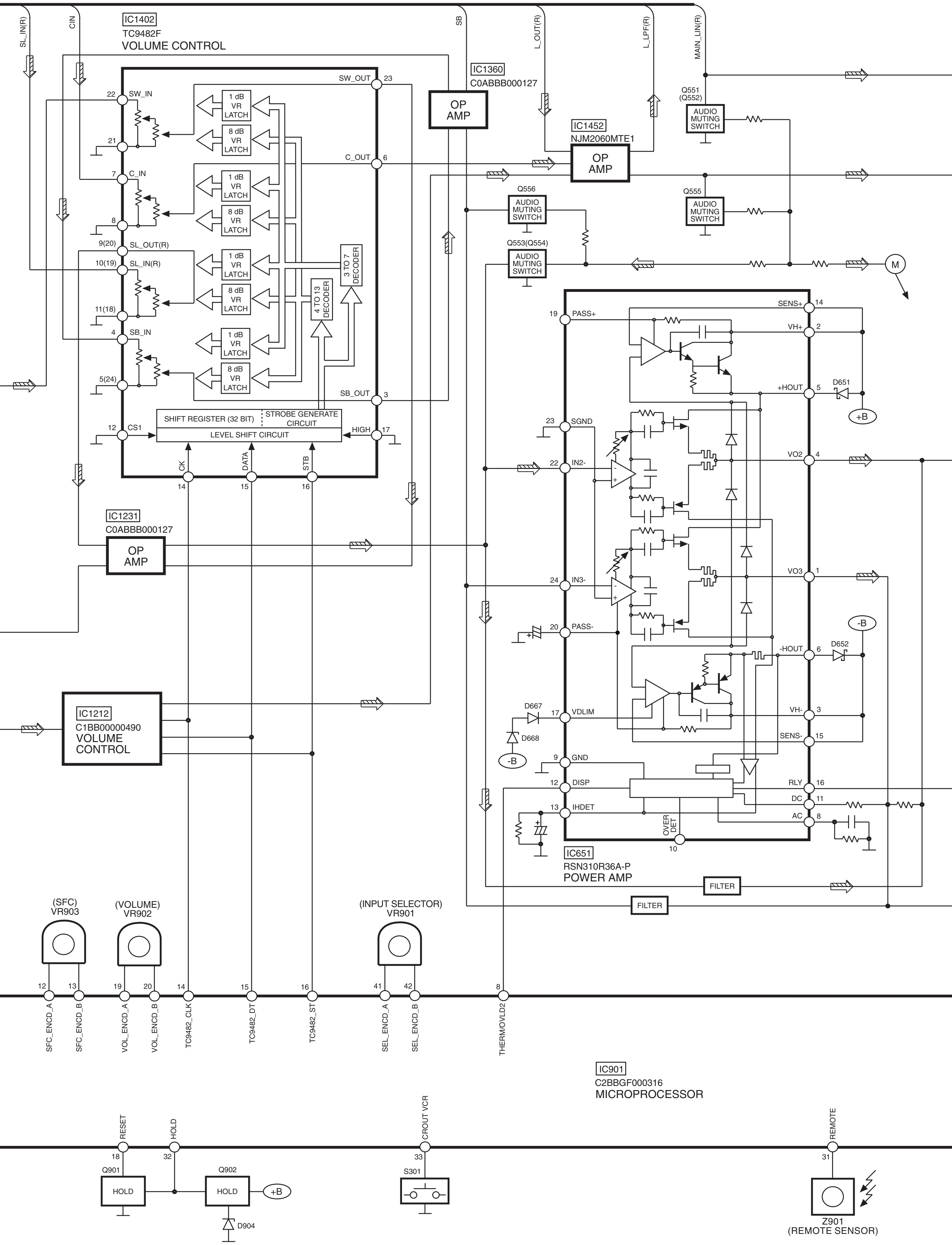

DT SEL
CK SEL
FROM IC901
TUNER MODULE
IC401
TC9163AN
SELECTOR
IC451
AN6558F
OP AMP
JK401 PHONO
JK402 CD
JK402 TAPE REC (OUT)
JK403 TV
JK405 DVD
S301
JK404 VCR PB
Q401(Q402)
INPUT SWITCHING
JK404 VCR RO
JK403 TAPE PLAY (IN)
JK352 FRONT VCR2 IN
Q
3(26)
2(27)
4(25)
5(24)
6(23)
7(22)
8(21)
9(20)
10(19)
11(18)
X2
X1
X3
X4
X5
X6
X7
X8
Level shift
Latch circuit
Shift register
STB
13
CLK
15
DATA
16
12(17)
IC402
C0AABB000086
OP AMP
SOUT_L
ST SEL
CK SEL
DT SEL


JK362 TV MONITOR OUT
JK363 VCR1 IN
S301
JK362 DVD IN
JK363 VCR1 OUT
JK363 TV IN
JK352 FRONT VCR2 IN (VIDEO)
+B
Q361
REGULATOR
IC364
C1AA00000123
VIDEO SELECTOR
8
13
11
10
12
IN1
+V
C3
C4
O1
3
IN2
IN3
C1
C2
O2
-V
1
2
4
5
14
Q362
REGULATOR
-B
D365
D364
VIDEO A
VIDEO B
JK302 TV MONITOR OUT
JK301 VCR1 IN
JK302 DVD IN
JK302 TV IN
IC302
C1AA00000123
VIDEO SELECTOR
13
11
10
12
IN1
C3
C4
O1
3
IN2
IN3
C1
C2
O2
1
2
4
5
D302
D301
IC301
C1AA00000123
VIDEO SELECTOR

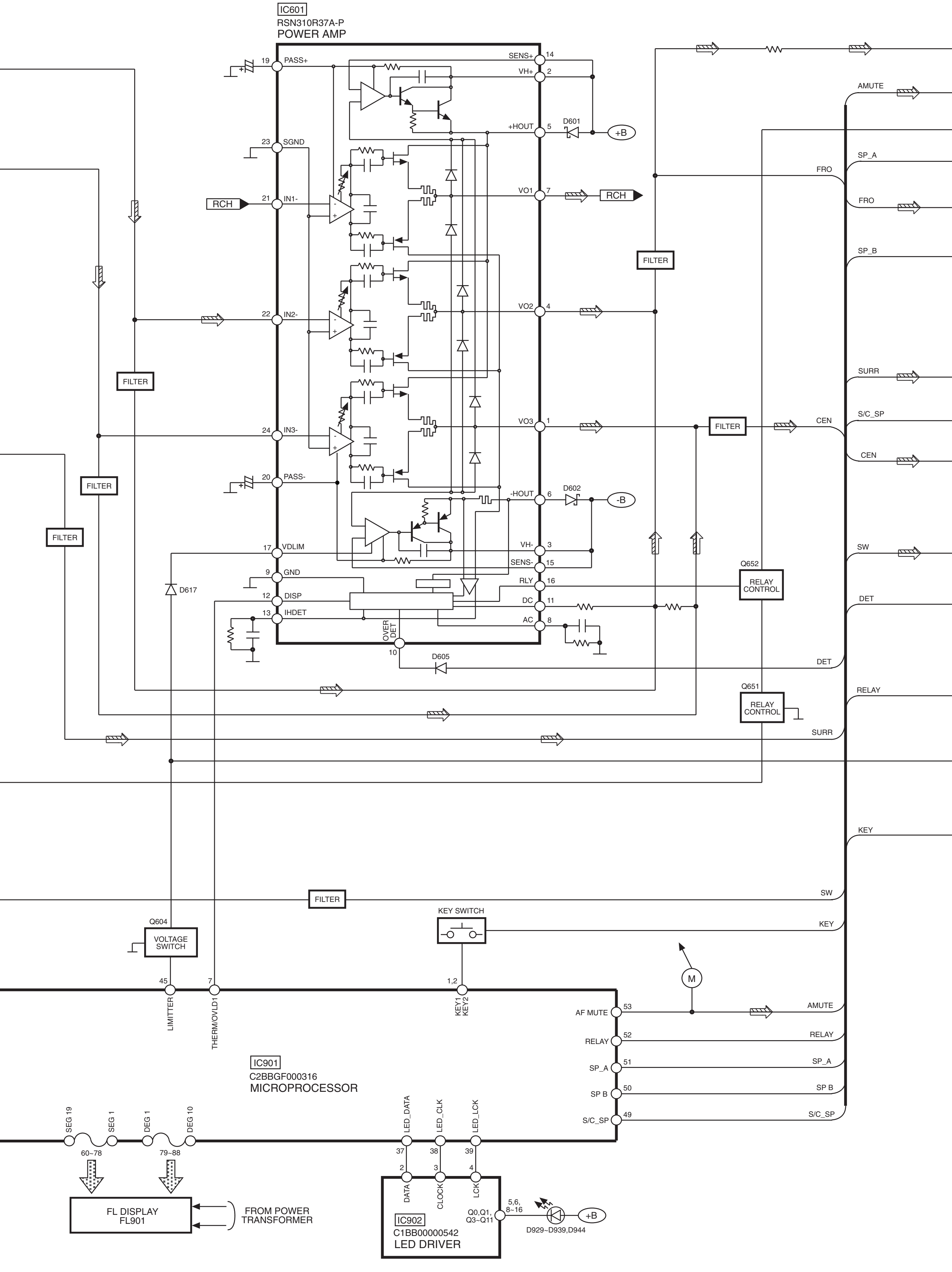


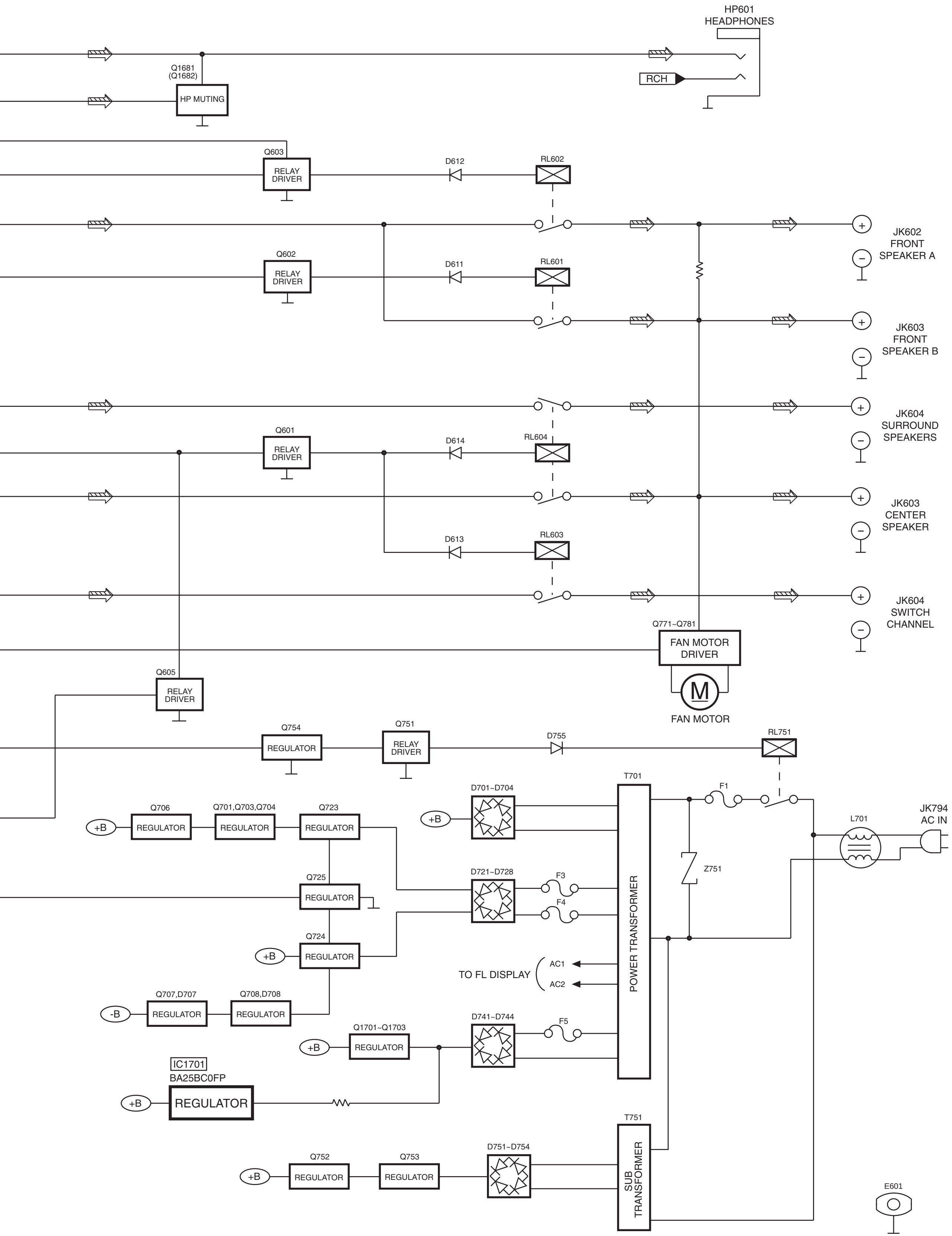
SB
SW_DSP
MAIN_LIN(R)
L_LPF(R)
L_DSP(R)
SOUT_L
IC1203
C0ABBB000127
OP AMP
IC1361
C0ABBB000127
OP AMP
IC1201
NJM2060MTE1
OP AMP
IC1522
C0ABBB000102
OP AMP
Q1501(1502)
SWITCHING
JK1305
DIGITAL OUT
(OPTICAL)
DIGITAL
JK1301
IN TV
(OPTICAL)
JK1302
IN CD
(OPTICAL)
JK1303
IN DVD
(OPTICAL)
JK1304
COAXIAL IN
6 TX
27 ROUT3
24 VCOM
31 ROUT1
37 RX4
39 RX3
41 RX2
43 RX1
2 XTI
32(33) LIN(R)
30 LOUT1
28(29) LOUT2(R)
IC1002
C1BB00000684
DIR/ DAC/ VOL IC
18 CCLK
17 CDTI
44 PDM
10 SDT0
9 BICK
8 LRCK
7 MCK0
20 OVF
19 CSN
16 CDT0
15 INT1
14 INT0
13 SDT13
12 SDT12
11 SDT1
X1001
(12.288MHz)
Q1001
SWITCH
(DSP:OFF)
IC1005
C0FBBK000029
DAC
IC1006
SN74HCU04APW
LOGIC IC
IC1007
SNAHC1U04DBV
SINGLE INVERTER
DSP_OFF
CCLK
CD IN
RESET
OVF
CS45
CD_OUT45
INT1
INT0
CS43
CCLK
CD IN
ATT
CSRST
CS49
MCLK
D0~D7
CE
OE
IC1003
SN74LV244APW
LOGIC IC
IC1004
SN7AHCT244PW
LOGIC IC
INTREQ
SCD OUT
AUX0
AUX1
AUX2
AUX3
IC1001
C2HBZZ000008
AC3/ DTS DECODER
6 SCDIN
7 SCCLK
18 CS
36 RESET
4 ENIR
8~11, 14~17 DATA0~7
5 ENOE
19 SCDOUT
20 INTREQ
21 EXTMEN
27 CMP DAT
28 CMP CLK
29 CMP REQ
25 SCLK N1
26 LRCLK N1
22 SDATA N1
30 CLK IN
31 CLK SEL
COMPRESSED DATA INPUT INTERFACE SPDIF RECEIVER
DIGITAL AUDIO INPUT INTERFACE
PARALLEL OR SERIAL HOST INTERFACE
FRAMER SHIFTER
INPUT BUFFER CONTROLLER
RAM OUTPUT BUFFER
24-bit DSP PROCESSING
RAM PROGRAM MEMORY
RAM DATA MEMORY
ROM PROGRAM MEMORY
RAM DATA MEMORY
STC
RAM OUTPUT BUFFER
OUTPUT FORMATTER
PLL CLOCK MANAGER
MCLK 44 MCLK
SCLK 43 SCLK
LRCLK 42 LRCK
AU DATA0 41 AUX0
AU DATA1 40 AUX1
AU DATA2 39 AUX2
XMT958 3 AUX3
32 FILT2
33 FILT1
35 AGND
34 VA
+B
+B
LRCK
SCLK


C_CH
SW_CH
LS_CH
JK1341
DVD
IC1301,IC1302
NJM2060MTE1
OP AMP
SL_IN(R)
CIN
L_DSP(R)
IC1401
C0JBAS000175
SELECTOR IC
CK SEL
SW_DSP
DT SEL
L_OUT(R)
ST SEL
IC1451
C0ABBB000127
OP AMP
IC1230
NJM2060MTE1
OP AMP
2 L1
3 L2
4 L-COM1
5 L3
6 L4
7 L-COM2
8 L5
9 L6
10 L-COM3
11 L7
12 L-COM4
14 ST
LEVEL SHIFTER
LATCH CIRCUIT
LATCH CIRCUIT
LEVEL SHIFTER
R1 29
R2 28
R-COM1 27
R3 26
R4 25
R-COM2 24
R5 23
R6 22
R-COM3 21
R7 20
R-COM4 19
DATA 17
CLK 16
CONTROL CIRCUIT
RCH
JK406
SUBWOOFER
Q1601
AUDIO MUTING SWITCH
Q1602
REGULATOR
+B
Q1603
AUDIO MUTING SWITCH
IC1008
SN7AHCT574PW
LOGIC IC
IC1011
C3FBJC000040
FLASH ROM
3~8, 18 A7~13
19~25, 45 A0~6
28 OE
CE 26
Q0~7 29~44
A16 48
A15 1
A14 2
IC1009
SN7AHCT574PW
LOGIC IC
IC1010
SN74LV244APW
LOGIC IC
OE
D0~D7
CE
TO TUNER MODULE
CD OUT45
CS45
INTREQ
DSP_OFF
CS43
ATT
SCD OUT
CD IN
CCLK
VIDEO B
VIDEO A
RDS
27 AK 4586_CDOUT
28 AK 4586_CS
30 CS493xx_INTREQ
34 DSP_PASS/DSP_OFF
35 AK 4382_CS
56 A/D_ATT
90 CS493xx_SCDOUT
91 CS493xx_CDIN
92 CS493xx_CCLK
99 VIDEO_B
100 VIDEO_A
9,10 SD IF DATA
11 TNR_CE
40 A14
43 A15
36 A16
54 SUBW_MUTE
47 TC916x_TNR_CLK
48 TC916x_TNR_DT
46 TC916x_STB
INT1 25 AK 4586_IN1
OVF 26 AK 4586_OVLERR
INT0 29 AK 4586_IN0
CS49 93 CS493xx_CS
RESET 94 AK 4586_RESET
CSRST 95 CS493xx_RESET
IC901
C2BBGF000316
MICROPROCESSOR
RDS_CLK 3
RDS_DO 4
RDS_DI 5
RDS_CE 6
VCR_MUTE 44
XIN 22
XOUT 23
CF901
21
22
20
23
RDS 2
IC970
LC72720N
RDS
12
13
X970
Q



SL_IN(R)
CIN
IC1402
TC9482F
VOLUME CONTROL
SB
L_OUT(R)
L_LPF(R)
MAIN_LIN(R)
IC1360
C0ABBB000127
OP AMP
IC1452
NJM2060MTE1
OP AMP
Q551 (Q552)
AUDIO MUTING SWITCH
Q556
AUDIO MUTING SWITCH
Q555
AUDIO MUTING SWITCH
Q553(Q554)
AUDIO MUTING SWITCH
M
22 SW_IN
21
7 C_IN
8
9(20) SL_OUT(R)
10(19) SL_IN(R)
11(18)
4 SB_IN
5(24)
12 CS1
SW_OUT 23
C_OUT 6
SB_OUT 3
HIGH 17
1 dB VR LATCH
8 dB VR LATCH
3 TO 7 DECODER
4 TO 13 DECODER
SHIFT REGISTER (32 BIT)
STROBE GENERATE CIRCUIT
LEVEL SHIFT CIRCUIT
CK 14
DATA 15
STB 16
IC1231
C0ABBB000127
OP AMP
IC1212
C1BB00000490
VOLUME CONTROL
19 PASS+
23 SGND
22 IN2-
24 IN3-
20 PASS-
17 VDLIM
9 GND
12 DISP
13 IHDET
SENS+ 14
VH+ 2
+HOUT 5
VO2 4
VO3 1
-HOUT 6
VH- 3
SENS- 15
RLY 16
DC 11
AC 8
OVER DET 10
D651
+B
D652
-B
D667
D668
-B
IC651
RSN310R36A-P
POWER AMP
FILTER
FILTER
(SFC) VR903
(VOLUME) VR902
(INPUT SELECTOR) VR901
12 SFC_ENCD_A
13 SFC_ENCD_B
19 VOL_ENCD_A
20 VOL_ENCD_B
14 TC9482_CLK
15 TC9482_DT
16 TC9482_ST
41 SEL_ENCD_A
42 SEL_ENCD_B
8 THERM/OVLD2
IC901
C2BBGF000316
MICROPROCESSOR
RESET 18
HOLD 32
CROUT VCR 33
REMOTE 31
Q901
HOLD
Q902
HOLD
+B
D904
S301
Z901
(REMOTE SENSOR)


IC601
RSN310R37A-P
POWER AMP
19 PASS+
SENS+ 14
VH+ 2
+HOUT 5
D601
+B
23 SGND
21 IN1-
RCH
VO1 7
RCH
22 IN2-
VO2 4
24 IN3-
VO3 1
20 PASS-
-HOUT 6
D602
-B
17 VDLIM
VH- 3
SENS- 15
9 GND
RLY 16
12 DISP
DC 11
13 IHDET
AC 8
OVER DET
10
D605
D617
FILTER
FILTER
FILTER
FILTER
FILTER
FILTER
Q652
RELAY CONTROL
Q651
RELAY CONTROL
AMUTE
SP_A
FRO
FRO
SP_B
SURR
S/C_SP
CEN
CEN
SW
DET
DET
RELAY
SURR
KEY
SW
KEY
KEY SWITCH
Q604
VOLTAGE SWITCH
45
LIMITTER
7
THERM/OVLD1
1,2
KEY1
KEY2
M
AF MUTE 53
AMUTE
RELAY 52
RELAY
SP_A 51
SP_A
SP B 50
SP B
S/C_SP 49
S/C_SP
IC901
C2BBGF000316
MICROPROCESSOR
SEG 19
SEG 1
DEG 1
DEG 10
60~78
79~88
LED_DATA
LED_CLK
LED_LCK
37
38
39
2
3
4
DATA
CLOCK
LCK
FL DISPLAY
FL901
FROM POWER TRANSFORMER
IC902
C1BB00000542
LED DRIVER
Q0,Q1,
Q3~Q11
5,6,
8~16
+B
D929~D939,D944

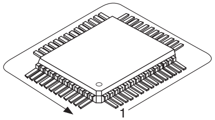

HP601
HEADPHONES
RCH
Q1681
(Q1682)
HP MUTING
Q603
RELAY DRIVER
D612
RL602
Q602
RELAY DRIVER
D611
RL601
JK602
FRONT
SPEAKER A
JK603
FRONT
SPEAKER B
JK604
SURROUND
SPEAKERS
Q601
RELAY DRIVER
D614
RL604
JK603
CENTER
SPEAKER
D613
RL603
JK604
SWITCH
CHANNEL
Q771~Q781
FAN MOTOR DRIVER
M
FAN MOTOR
Q605
RELAY DRIVER
Q754
REGULATOR
Q751
RELAY DRIVER
D755
RL751
T701
F1
D701~D704
+B
Q706
REGULATOR
Q701,Q703,Q704
REGULATOR
Q723
REGULATOR
+B
L701
JK794
AC IN
Q725
REGULATOR
D721~D728
F3
F4
Z751
POWER TRANSFORMER
Q724
+B
REGULATOR
TO FL DISPLAY
AC1
AC2
Q707,D707
-B
REGULATOR
Q708,D708
REGULATOR
Q1701~Q1703
+B
REGULATOR
D741~D744
F5
IC1701
BA25BC0FP
+B
REGULATOR
T751
Q752
Q753
D751~D754
+B
REGULATOR
REGULATOR
SUB TRANSFORMER
E601

SIGNAL LINES

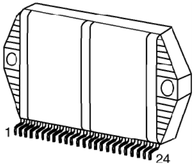
⇨	: MAIN SIGNAL LINE	⇨	: PLAYBACK SIGNAL LINE	➡	: FM & AM SIGNALS LINE
⇨	: CD SIGNAL LINE	⇨	: RECORDING SIGNAL LINE		

( ) INDICATES THE PIN NO. OF THE RIGHT CHANNEL

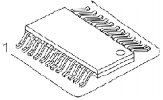
C2BBGF000316 (100P)
C2HBZZ000008 (44P)
C1BB00000684 (44P)



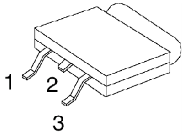
RSN310R36A-P
RSN310R37A-P



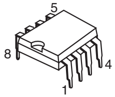
C1AA00000647 (14P)
C1BB00000490 (24P)
C0FBBK000029 (16P)
C0JBAS000175 (30P)
TC9482F (28P)



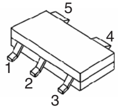
BA25BC0FP



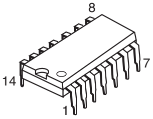
AN6558F
C0ABBB000102
C0AABB000086
C0ABBB000127



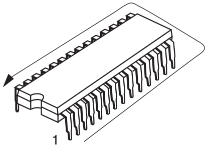
SNAHC1U04DBV



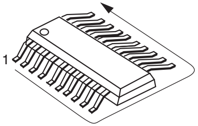
NJM2060MTE1
C1AA00000123



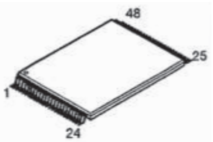
TC9163AN (28P)
C1BB00000542 (18P)



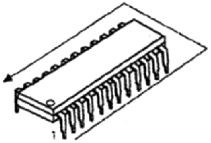
SN74LV244APW (20P)
SN7AHCT244PW (20P)
SN74HCU04APW (14P)
SN7AHCT574PW (20P)



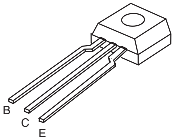
C3FBJC000040



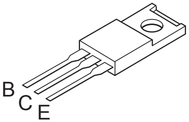
LC72720N (24p)



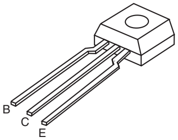
KRC107MTA



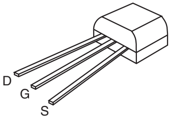
KTC2026



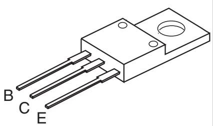
2SD1915FTA
KTA1267GRTA



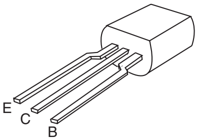
2SK2880CTA



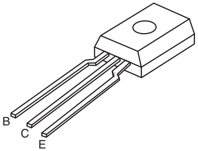
2SB1548PQAU
2SD2374PQAU



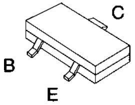
2SB621AQSTA



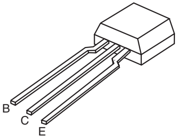
KTD863



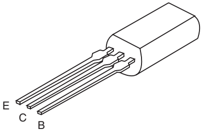
B1GDCFJN0001



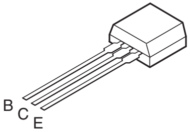
KTC3199GRTA
RVTDTC143ZST



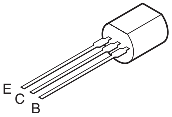
2SA1534ALA



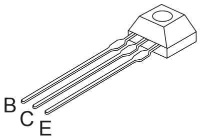
RVTDTA113ZST
RVTDTA114EST



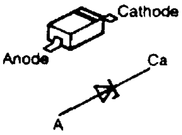
2SB0621ARA



KRA102MTA
KRC102MTA
KRA119MTA

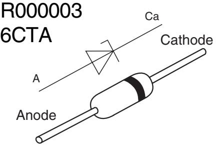


B0ACCK000005
UDZSTE176R2B

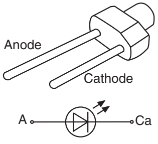

Cathode
Anode
Ca
A

1SS291TA
1SR35400V
B0BA5R600016
B0BA3R300010
B0BA6R600008
B0BA6R100003
B0BA7R500006
RB721Q40T77

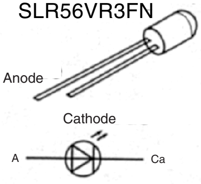
B0BAACK000004
B0BA03200003
B0BA8R200005
B0BA4R000003
MTZJ16CTA


Ca
Cathode
A
Anode

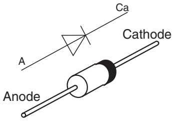
SLR325MCT31
B3AAA0000487


Anode
Cathode
A
Ca

SLR56YY3FN
SLR56VR3FN

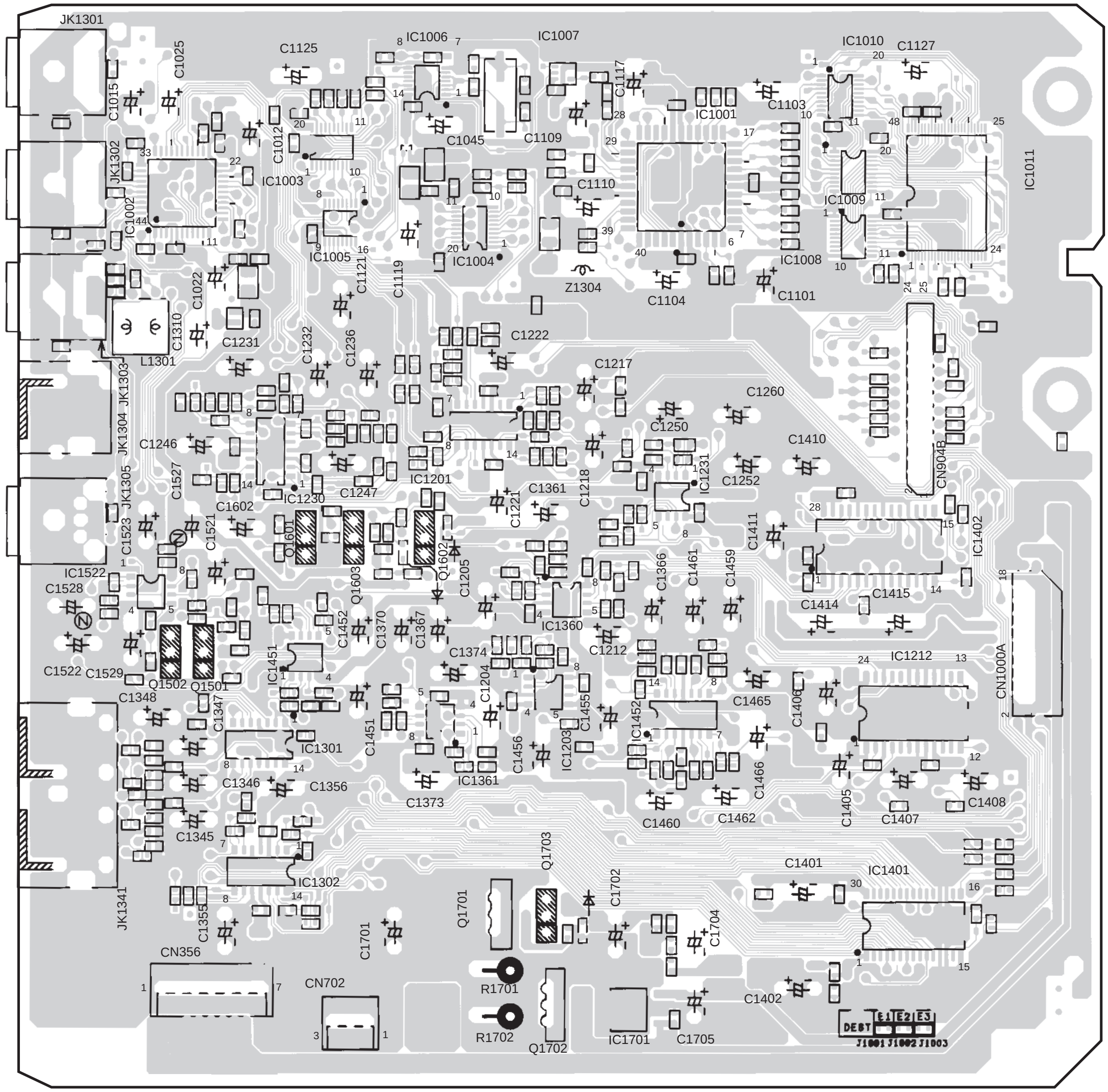

Anode
Cathode
A
Ca

1N5402BM21
B0JAPG000008
MA2C167A0E


Ca
Cathode
A
Anode

A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9

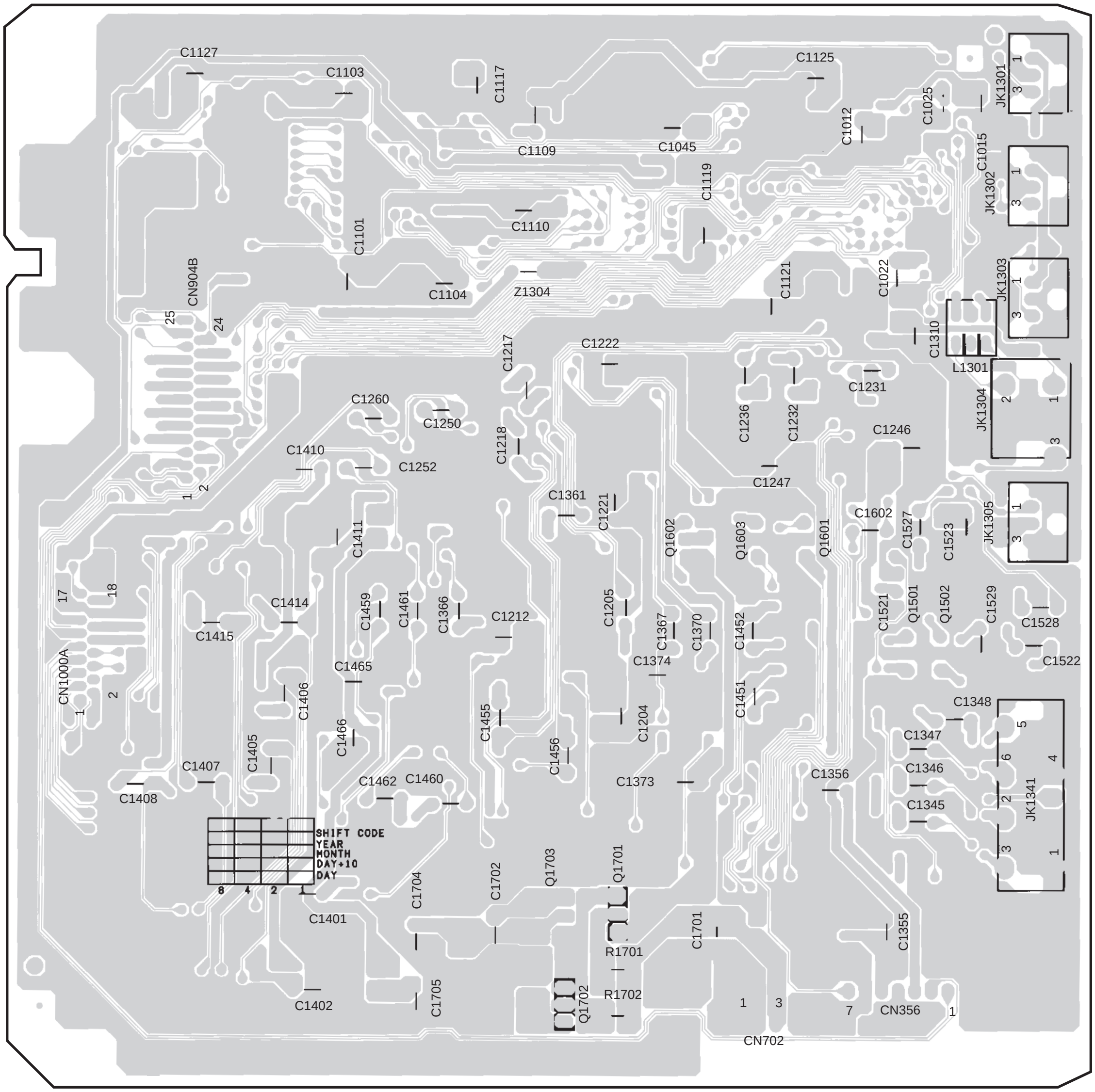
A DIGITAL P.C.B (REP3261B-T)


JK1301
JK1302
JK1303
JK1304
JK1305
JK1341
C1015
C1025
C1125
IC1006
IC1007
IC1010
C1127
C1117
C1103
IC1001
C1012
C1045
C1109
IC1002
IC1003
IC1005
IC1004
C1110
Z1304
C1104
IC1008
IC1009
IC1011
C1101
C1022
C1121
C1119
C1310
L1301
C1231
C1232
C1236
C1222
C1217
C1260
C1250
C1246
C1527
C1410
C1252
C1231
IC1201
C1247
IC1230
C1218
C1361
C1221
C1523
C1521
C1602
Q1601
Q1603
Q1602
C1205
CN904B
C1411
C1402
IC1522
C1528
C1522
C1529
Q1502
Q1501
C1366
C1461
C1459
C1414
C1415
IC1360
C1212
C1452
C1370
C1367
C1374
C1204
IC1451
C1348
C1347
IC1301
C1451
C1455
IC1452
C1465
IC1212
CN1000A
C1406
C1346
C1356
C1373
IC1361
C1456
IC1203
C1466
C1460
C1462
C1405
C1407
C1408
C1345
IC1302
Q1703
C1702
C1401
IC1401
C1355
C1701
Q1701
C1704
CN356
CN702
R1701
R1702
Q1702
IC1701
C1705
C1402
DEBT
E1
E2
E3
J1001
J1002
J1003

(SIDE: A)

A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9

A DIGITAL P.C.B (REP3261B-T)

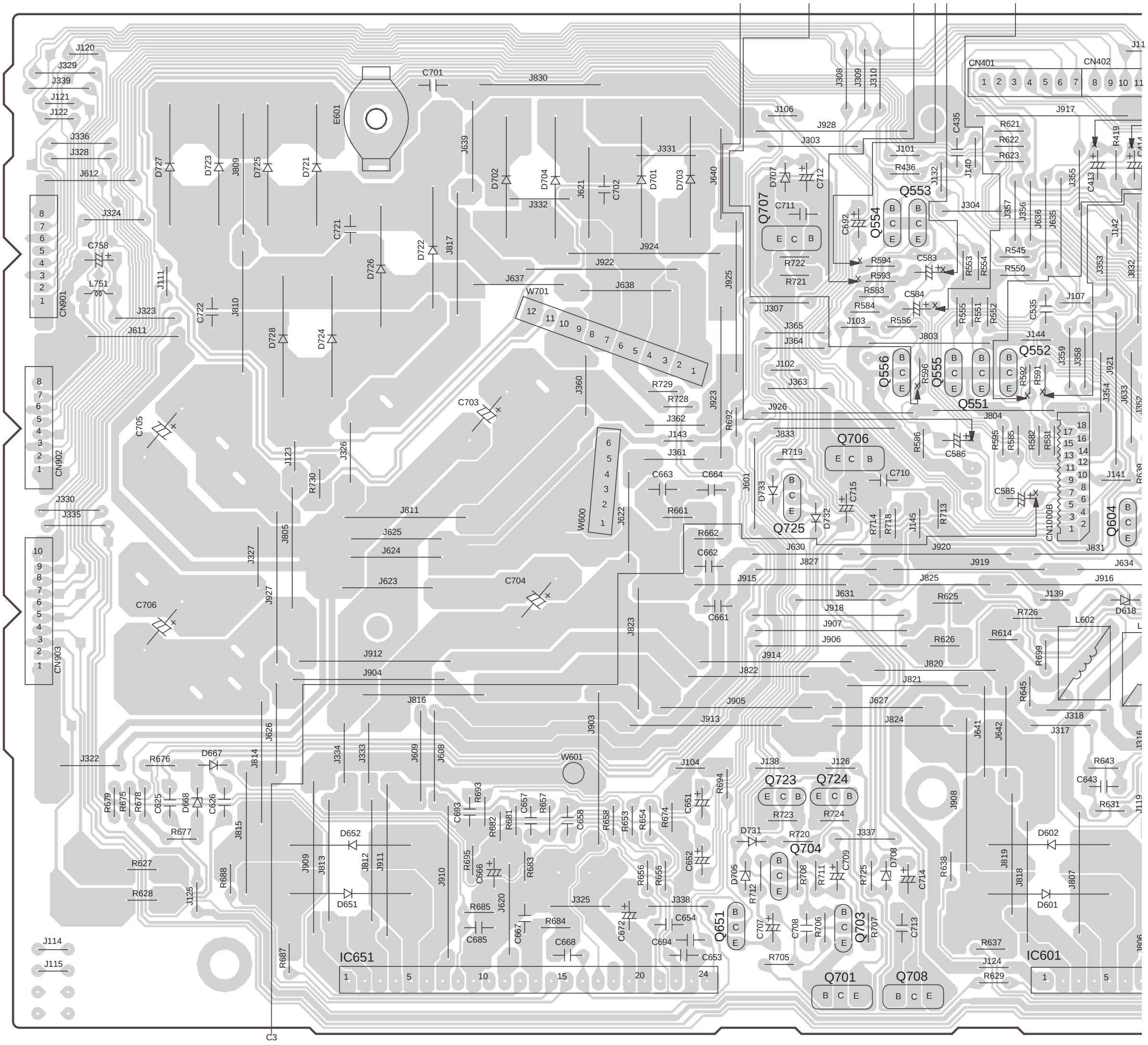

C1127
C1103
C1117
C1125
C1012
C1025
JK1301
1
3
C1109
C1045
C1119
C1015
JK1302
1
3
C1101
C1110
C1104
Z1304
CN904B
25
24
C1121
C1022
JK1303
1
3
C1310
L1301
C1217
C1222
C1231
JK1304
2
1
3
C1260
C1250
C1218
C1236
C1232
C1246
C1410
C1252
1
2
C1247
C1361
C1221
C1602
C1527
C1523
JK1305
1
3
C1411
Q1602
Q1603
Q1601
17
18
C1414
C1459
C1461
C1366
C1212
C1205
C1367
C1370
C1452
C1521
Q1501
Q1502
C1529
C1528
C1415
C1374
C1522
CN1000A
1
2
C1465
C1406
C1455
C1204
C1451
C1348
5
C1466
C1405
C1456
C1347
6
4
C1407
C1462
C1460
C1373
C1356
C1346
C1408
C1345
JK1341
2
3
1
SHIFT CODE
YEAR
MONTH
DAY+10
DAY
8
4
2
1
C1704
C1702
Q1703
Q1701
C1401
C1701
R1701
C1355
C1402
C1705
Q1702
R1702
1
3
7
CN356
1
CN702

(SIDE: B)

A B C D E F G

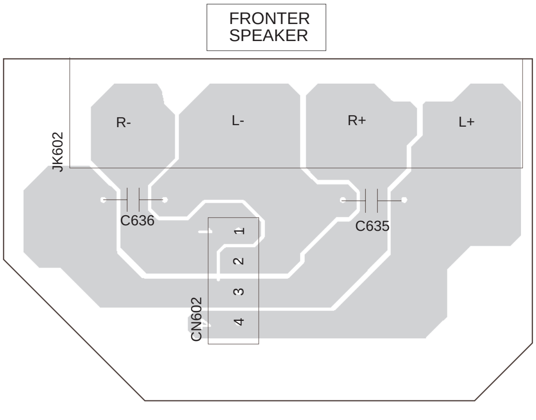
1 2 3 4 5 6 7 8 9

B MAIN P.C.B (REP3259C-M...E/EG) (REP3259D-M...EB)

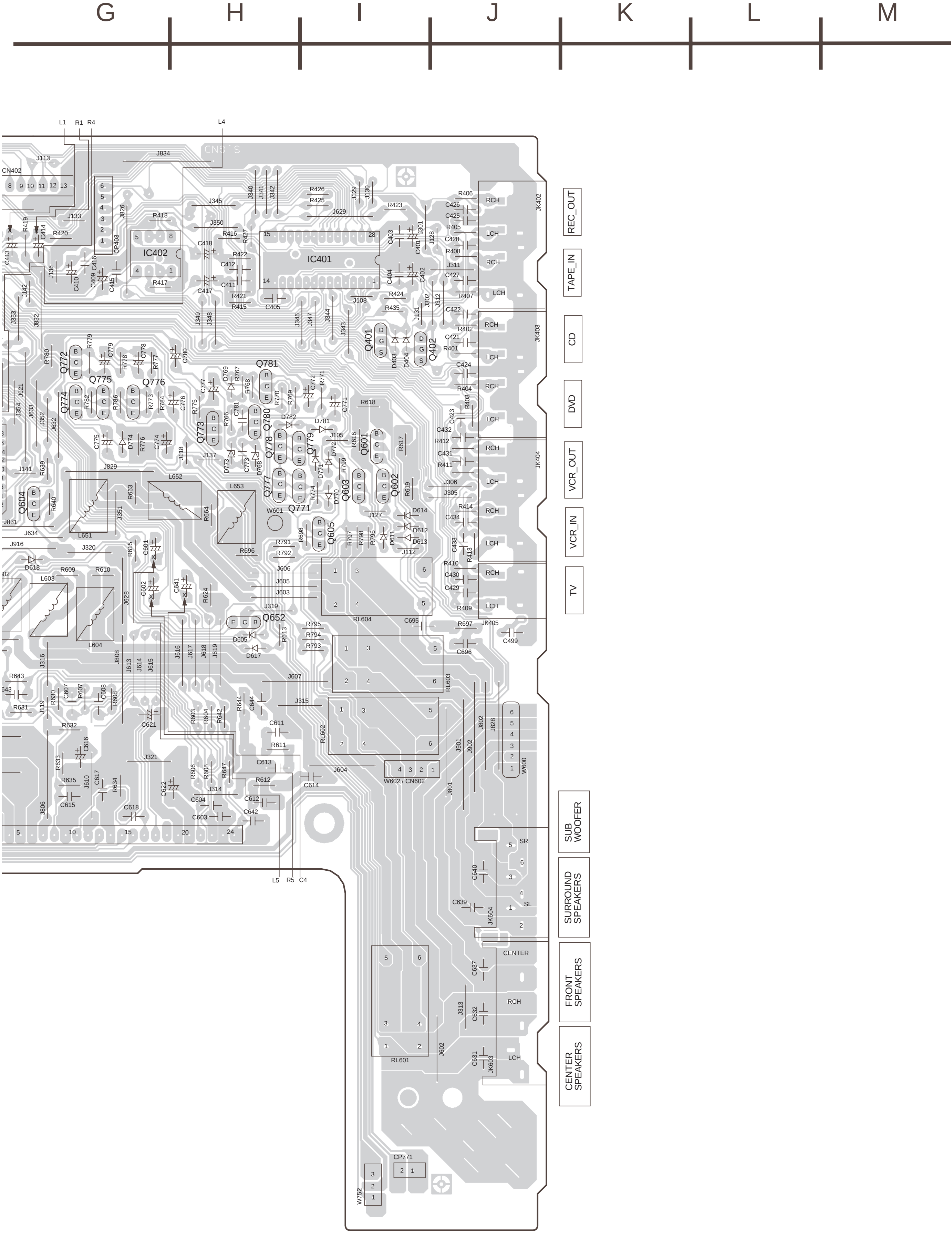


W3
W4
LS4
RS4
LS3
RS3
CN401
CN402
J120
J329
J339
J121
J122
J336
J328
J612
J324
C758
L751
J323
J611
CN901
CN902
CN903
J330
J335
C701
J830
E601
D727
D723
J809
D725
D721
J639
D702
D704
J621
C702
D701
D703
J640
J331
J332
J924
C721
D726
D722
J817
J922
J637
J638
W701
J111
C722
J810
D728
D724
J925
C705
C703
J360
R729
R728
J362
J143
J361
J923
R692
J123
R730
J326
J811
J625
J624
J623
W600
J622
C663
C664
R661
R662
C662
J915
C661
J805
J327
J927
C706
C704
J823
J912
J904
J816
J626
J903
J905
J913
J104
W601
J322
R676
D667
J814
J334
J333
J609
J608
R679
R675
R678
C625
D668
C626
J815
R677
R627
R628
J125
R688
D652
D651
J909
J813
J812
J911
J910
R693
C693
R682
R681
C657
R657
C658
R695
C666
R683
R658
R653
R654
R674
C651
R694
C652
R656
R655
R685
C685
J620
C667
R684
C668
J325
C672
J338
C654
C694
C653
Q651
J114
J115
R687
IC651
1 5 10 15 20 24
J308
J309
J310
J106
J928
J303
J101
R436
C435
J140
J132
Q553
Q554
C692
Q707
D707
C712
C711
J304
R594
R593
R583
C583
C584
R584
R556
J103
R553
R554
R555
R551
R552
J307
J365
J364
J102
J363
J803
J926
J833
R719
Q706
C710
C715
D733
D732
Q725
R714
R718
J145
R713
J630
J827
J920
J919
J825
J631
J918
J907
J906
J914
J822
J627
J824
J138
J126
Q723
Q724
R723
R724
D731
R720
Q704
J337
C709
D708
C714
D705
R712
R708
R711
R725
C707
C708
R706
Q703
R707
C713
R705
Q701
Q708
R638
J819
J818
J807
D602
D601
R637
J124
R629
IC601
J917
R621
R622
R623
R419
C413
C414
J355
J357
J356
J636
J635
J142
R545
R550
J353
J832
C535
J107
J144
Q552
Q556
Q555
R596
R592
R591
Q551
J359
J358
J921
J354
J633
J804
R586
C586
R595
R585
R582
R581
CN1000B
C585
J141
Q604
J831
J634
J916
D618
R625
J139
R726
L602
R614
R626
R699
J820
J821
R645
J318
J317
J641
J642
J908
R643
C643
R631
J119
C3
B C E
E C B

D Front Speaker A P.C.B (REP3259C-M...E/EG) (REP3259D-M...EB)



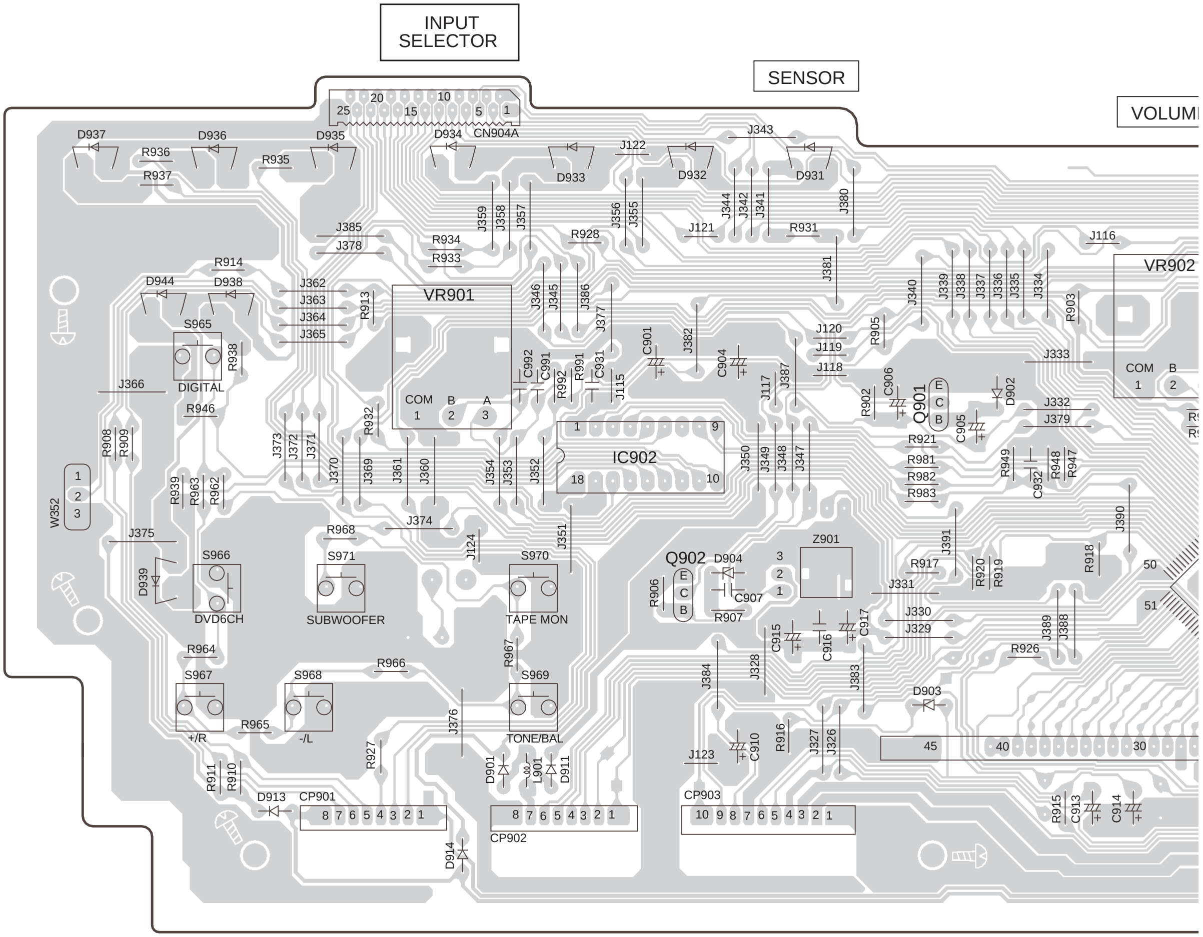
FRONTER SPEAKER
R-
L-
R+
L+
JK602
C636
C635
1
2
3
4
CN602


G
H
I
J
K
L
M
L1
R1
R4
L4
S. GND
CN402
J113
J834
CP403
IC402
IC401
R418
R417
R426
R425
R423
J629
J345
J350
J340
J341
J342
J129
J130
JK402
RCH
LCH
REC_OUT
TAPE_IN
JK403
CD
DVD
JK404
VCR_OUT
VCR_IN
JK405
TV
R406
C426
C425
R405
C428
R408
J311
C427
R407
C422
R402
C421
R401
C424
R404
R403
C423
C432
R412
C431
R411
J306
J305
R414
C434
C433
R413
R410
C430
C429
R409
R697
C499
C696
C695
Q401
Q402
D403
D404
Q772
Q775
Q776
Q774
Q781
Q773
Q780
Q778
Q779
Q777
Q771
Q603
Q601
Q602
Q604
Q605
Q652
L651
L652
L653
L603
L604
W601
RL604
RL603
RL602
RL601
W602 / CN602
W600
J604
J607
J315
J319
J606
J605
J603
C601
C602
C641
C621
C622
C611
R611
C613
R612
C614
C612
C642
C604
C603
C618
C615
C616
C617
J314
J321
J316
J829
J831
J634
J916
J320
D618
R609
R610
J801
J802
J828
J901
J902
J602
J313
JK604
JK603
C640
C639
C637
C632
C631
SR
SL
CENTER
RCH
LCH
SUB WOOFER
SURROUND SPEAKERS
FRONT SPEAKERS
CENTER SPEAKERS
CP771
W752
L5
R5
C4

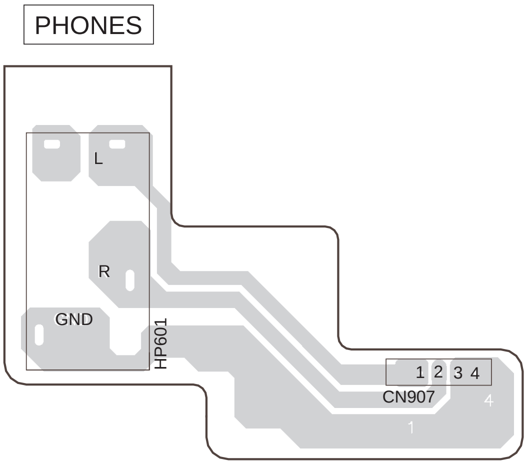
A B C D E F G

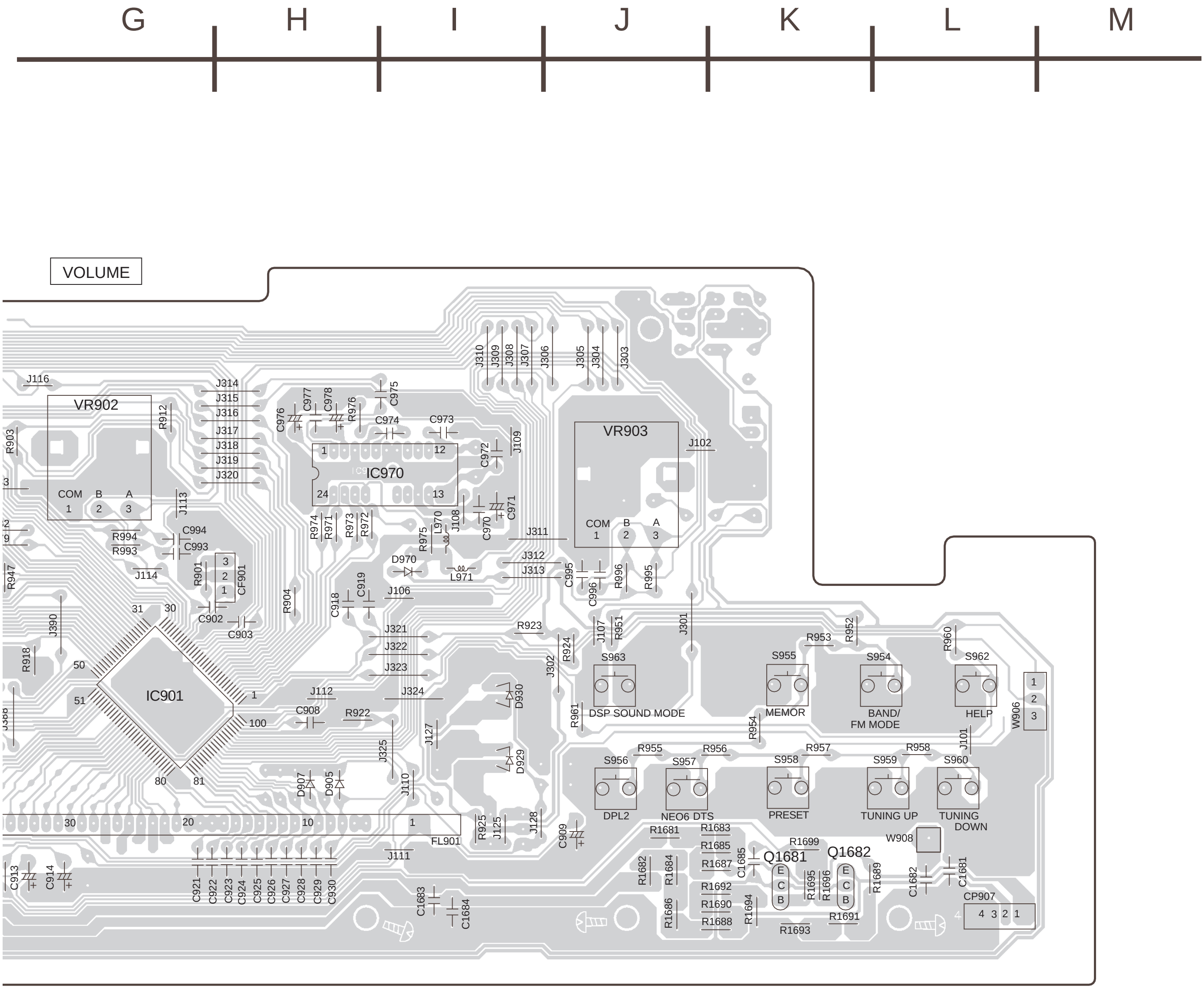
1 2 3 4 5 6 7 8 9

C PANEL P.C.B (REP3260B-S)


INPUT SELECTOR
SENSOR
VOLUME
CN904A
25 20 15 10 5 1
D937 D936 D935 D934 D933 D932 D931
R936 R937 R935
J343 J122 J121 J116
J359 J358 J357 J356 J355 J344 J342 J341 J380
J385 J378
R934 R933 R928 R931
J381
VR901
COM 1 B 2 A 3
VR902
COM 1 B 2
R914
D944 D938
S965
DIGITAL
R938
J362 J363 J364 J365
R913
J346 J345 J386 J377
C901 J382 C904
J120 J119 J118
R905 J340 J339 J338 J337 J336 J335 J334 R903
J333
J366
R946
R908 R909
W352 1 2 3
J373 J372 J371 R932
C992 C991 R992 R991 C931 J115
J117 J387
R902 C906 Q901 E C B C905 D902
J332 J379
IC902 1 9 18 10
R921 R981 R982 R983
R949 C932 R948 R947
R939 R963 R962
J370 J369 J361 J360 J354 J353 J352
J350 J349 J348 J347
J375
R968 J374 J124
J351
Q902 D904 E C B 3 2 1 C907
Z901
J391 J390
R917 R920 R919 R918
J331 50 51
D939
S966
DVD6CH
S971
SUBWOOFER
S970
TAPE MON
R906 R907
J330 J329
C915 C916 C917
J389 J388 R926
R964
S967
+/R
R965
S968
-/L
R966
R967
S969
TONE/BAL
J376
J384 J328 J383
D903
J123 C910 R916 J327 J326
45 40 30
R927
D901 L901 D911
R911 R910
D913
CP901 8 7 6 5 4 3 2 1
CP902 8 7 6 5 4 3 2 1
CP903 10 9 8 7 6 5 4 3 2 1
D914
R915 C913 C914

E HEADPHONE P.C.B (REP3260B-S)


PHONES
L
R
GND
HP601
CN907
1 2 3 4
4
1


G
H
I
J
K
L
M
VOLUME
VR902
COM
B
A
1
2
3
VR903
IC970
IC901
FL901
CF901
J116
J314
J315
J316
J317
J318
J319
J320
J310
J309
J308
J307
J306
J305
J304
J303
J102
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R993
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R901
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R918
R974
R971
R973
R972
R975
R976
R996
R995
R923
R924
R951
R952
R953
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R961
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R1681
R1682
R1683
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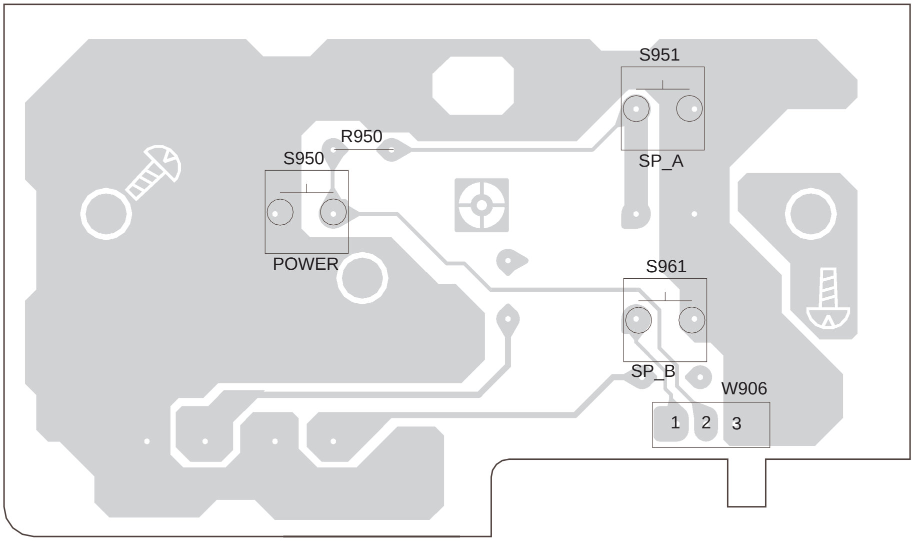
R1685
R1686
R1687
R1688
R1689
R1690
R1691
R1692
R1693
R1694
R1695
R1696
R1699
C975
C976
C977
C978
C974
C973
C972
C971
C970
C994
C993
C902
C903
C918
C919
C995
C996
C908
C909
C913
C914
C921
C922
C923
C924
C925
C926
C927
C928
C929
C930
C1681
C1682
C1683
C1684
C1685
D970
D930
D929
D907
D905
L970
L971
Q1681
Q1682
E
C
B
S963
DSP SOUND MODE
S955
MEMOR
S954
BAND/
FM MODE
S962
HELP
S956
DPL2
S957
NEO6 DTS
S958
PRESET
S959
TUNING UP
S960
TUNING
DOWN
W906
W908
CP907
4 3 2 1
1
12
24
13
31
30
50
51
80
81
100
20
10

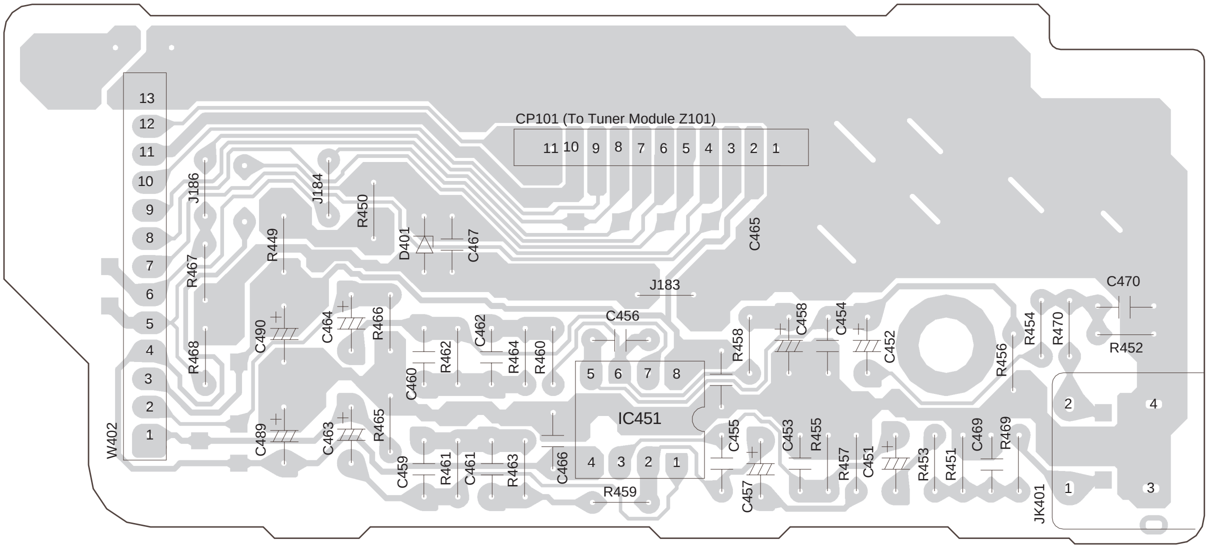
G SWITCH P.C.B (REP3260B-S)


S951
SP_A
R950
S950
POWER
S961
SP_B
W906
1
2
3

A B C D E F G

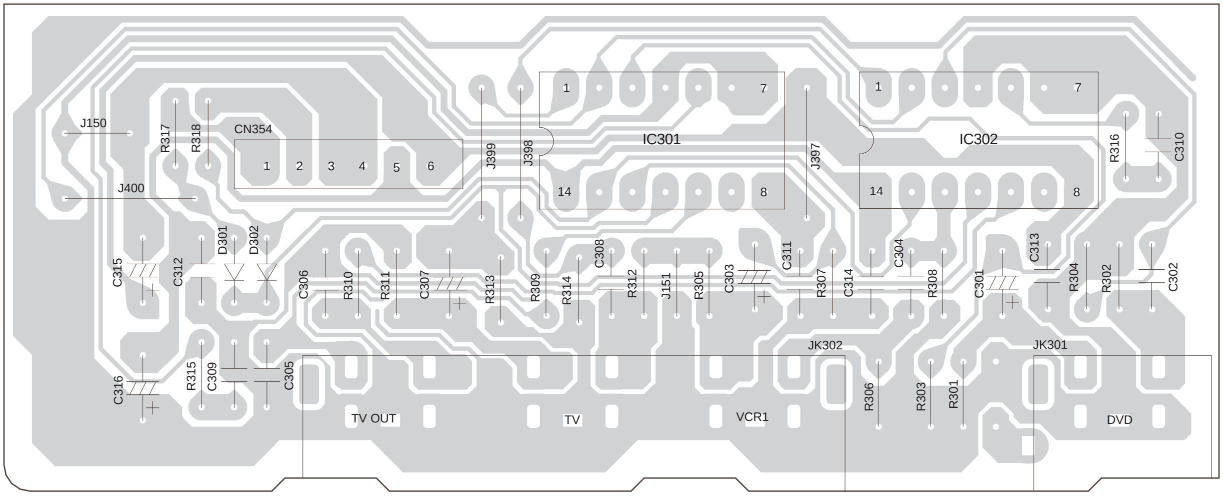
1 2 3 4 5 6 7 8 9

F PHONO EQ P.C.B (RE3259C-M...E/EG) (REP3259D-M...EB)



W402
13
12
11
10
9
8
7
6
5
4
3
2
1
CP101 (To Tuner Module Z101)
11 10 9 8 7 6 5 4 3 2 1
J186
J184
R450
D401
C467
R449
R467
R468
C465
J183
C470
C490
C464
R466
C462
C456
R458
C458
C454
C452
R454
R470
R452
R456
C460
R462
R464
R460
IC451
5 6 7 8
4 3 2 1
C489
C463
R465
C459
R461
C461
R463
C466
R459
C455
C457
C453
R455
R457
C451
R453
R451
C469
R469
JK401
2 4 1 3

J S-VIDEO P.C.B (REP3260B-S)



J150
J400
R317
R318
CN354
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J399
J398
IC301
1 7 14 8
J397
IC302
1 7 14 8
R316
C310
C315
C312
D301
D302
C306
R310
R311
C307
R313
R309
R314
C308
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R308
C301
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R304
R302
C302
C316
R315
C309
C305
JK302
JK301
R306
R303
R301
TV OUT
TV
VCR1
DVD